



#12

Sequence Listing

<110> Kumar Verma, Sunil  
Singh, Lalji

<120> UNIVERSAL PRIMERS FOR WILDLIFE IDENTIFICATION

<130> U-013365-9

<140> 09/821782

<141> 2001-03-29

<160> 255

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 398" for amplifying fragment of cytochrome b gene  
of animal species

<400> 1

taccatgagg acaaataatcta ttctg

25

<210> 2

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 869" for amplifying fragment of cytochrome b gene  
of animal species

<400> 2

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26

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> primer "AFF" for amplifying fragment of cytochrome b gene of animal species

<400> 3

ctagtagaaat gaatctgagg agg 23

<210> 4

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> primer "AFR" for amplifying fragment of cytochrome b gene of animal species

<400> 4

tatgcaaata ggaagtatca ttc 23

<210> 5

<211> 328

<212> DNA

<213> adil.flesh

<220>

<223> DNA sequence generated from the confiscated skin of unknown animal origin using primers mcb398 and mcb869

<400> 5

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ttcatccttc catttatcat ctcagctcta gcagcagtcc acctccatt cttcacgag 120  
acaggatcta acaaccctc aggaatagta tccgactcag acaaaattcc attccaccca 180

tactacacaa tcaaagatat cctgggcctt ctagtactaa tccttagcact catactactc	240
gtcctattct caccagacct gtaggagac cccgataact acatccctgc caaccctcta	300
aataccctc cccatatcaa gcctgaat	328

<210> 6

<211> 328

<212> DNA

<213> bhz25t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*)  
animal number 1 using primers mcb398 and mcb869

<400> 6

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaataatgt tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaaacact catactactc	240
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 7

<211> 328

<212> DNA

<213> bhz26t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*)  
animal number 2 using primers mcb398 and mcb869

<400> 7

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaataatgt tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaaacact catactactc	240
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 8

<211> 328

<212> DNA

<213> bhz30t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 3 using primers mcb398 and mcb869

<400> 8

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
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acaggatcta acaacccttc aggaatagta tctgacttag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc	240
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta	300
aacacccttc cccatatcaa gcgcgaat	328

<210> 9

<211> 328

<212> DNA

<213> bhz45t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal

number 4 using primers mcb398 and mcb869

<400> 9

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acaggatcta acaacccttc aggaatagta tctgacttag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc	240
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta	300
aacacccttc cccatatcaa gcgcgaat	328

<210> 10

<211> 328

<212> DNA

<213> bhz56t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*)

animal number 5 using primers mcb398 and mcb869

<400> 10

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcag aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctatgactaa tcctaacaact catactactc	240
gtccttattct caccagacat attagggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 11

<211> 328

<212> DNA

<213> bhz63t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*)  
animal number 6 using primers mcb398 and mcb869

<400> 11

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcag aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctatgactaa tcctaacaact catactactc	240
gtccttattct caccagacat attagggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 12

<211> 328

<212> DNA

<213> bhz20wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 1 using primers mcb398 and mcb869

<400> 12

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcag aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctatgactaa tcctaacaact catactactc	240

gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta 300  
aacacccctc cccatatcaa gcgcgaat 328

<210> 13

<211> 328

<212> DNA

<213> bhz22wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 2 using primers mcb398 and mcb869

<400> 13

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac 60  
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag 120  
acaggatcta acaacccctc aggaatagta tctgactcag aaaaaatccc gttccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacact catactactc 240  
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta 300  
aacacccctc cccatatcaa gcgcgaat 328

<210> 14

<211> 328

<212> DNA

<213> bhz23wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 3 using primers mcb398 and mcb869

<400> 14

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac 60  
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acaggatcta acaacccctc aggaatagta tctgactcag aaaaaatccc gttccaccca 180  
tactacacaa tcaaagacat cctgggcctt ctgtactaa tcctaacact catactactc 240  
gtcctattct caccagacct attagggac cccgataact acatccccgc caaccctcta 300  
aacacccctc cccatatcaa gcgcgaat 328

<210> 15

<211> 328

<212> DNA

<213> bhz28wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 4 using primers mcb398 and mcb869

<400> 15

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acaggatcta acaacccttc aggaatagta tctgacttag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacacccttc cccatatcaa gcgcgaat	328

<210> 16

<211> 328

<212> DNA

<213> gz1L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 1 using primers mcb398 and mcb869

<400> 16

tgaatctgag gaggcttctc agtagacaaa gctaccttga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagctcta gcagcagtc acctcctatt cttcacgag	120
acaggatcta acaacccttc aggaatagta tccgacttag acaaaattcc attccaccca	180
tactacacaa tcaaagatct cctgggcctt ctagtactaa tcctagcact catactactc	240
gtcctattct caccagacct gtttaggagac ccogataact acatccctgc caaccctcta	300
aataacccttc cccatatcaa gcctgaat	328

<210> 17

<211> 328

<212> DNA

<213> gz2L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 2 using primers mcb398 and mcb869

<400> 17

tgaatctgag gaggcttctc agtagacaaa gctaccttga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagctcta gcagcagtcc acctcttatt cttcacgag	120
acaggatcta acaacccctc aggaatagta tctgactcag aaaaaattcc attccaccca	180
tactacacaa tcaaagacat cctggccctt ctatgtactaa tcttagcact catactactc	240
gtccttattct caccagacct gttggagac cccgataact acatccccgc caaccctcta	300
aataacccctc cccatatcaa gcctgaat	328

<210> 18

<211> 328

<212> DNA

<213> gz3L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 3 using primers mcb398 and mcb869

<400> 18

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ttcatccttc catttatcat ctcagctcta gcagcagtcc acctcttatt cttcacgag	120
acaggatcta acaacccctc aggaatagta tctgactcag aaaaaattcc attccaccca	180
tactacacaa tcaaagacat cctggccctt ctatgtactaa tcttagcact catactactc	240
gtccttattct caccagacct gttggagac cccgataact acatccccgc caaccctcta	300
aataacccctc cccatatcaa gcctgaat	328

<210> 19

<211> 328

<212> DNA

<213> gz21CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 1 using primers mcb398 and mcb869

<400> 19

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ttcatccttc catttatcat ctcagccta gcagcagtcc accttcttatt tctccatgaa	120
aaggatcca ataacccctc aggaatggta tccgattcag aaaaaatccc gttccacccg	180
tactatacaa tcaaagatat cctaggcctc ctatgtactaa ttcttagcgtc cacaactactt	240
gttcttattct cccagacct actaggagac cctgacaatt acactccccgc caaccctcta	300
aataacccctc cccatatcaa gcctgaat	328

<210> 20

<211> 328

<212> DNA

<213> gz22CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 2 using primers mcb398 and mcb869

<400> 20

tgaatctgag gaggtttctc agtagacaaa gccaccctga cacgatttt cgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagttc accttctatt tctccatgaa	120
aaggatcca ataacccttc aggaatggta tccgattcag aaaaaatccc gttccacccg	180
tactatacaa tcaaagatat cctaggctc cttagtctaa ttcttagcgct cacactactt	240
gttctattct cccagacct actaggagac cctgacaatt acactcccgca acccctcta	300
aataacccttc cccatatcaa gcctgaat	328

<210> 21

<211> 328

<212> DNA

<213> darz14SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 1 using primers mcb398 and mcb869

<400> 21

tgaatctgag gaggtttctc agtacacaaa gccaccctga cacgatttt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagttc accttctatt cctccatgag	120
acaggatcta acaacccttc aggaatagta tctgactcag aaaaaatccc gttccacccca	180
tactacacaa tcaaagacat cctggccctt cttagtactaa tcctaacact catactactc	240
gtcctattct caccagacct attaggggac gccgataact acatcccgca acccctcta	300
aacacccttc cccatatcaa gcccgaat	328

<210> 22

<211> 328

<212> DNA

<213> darz15SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 2 using primers mcb398 and mcb869

<400> 22

tgaatctgag gaggcttctc agtacacaaa gccaccctga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcg aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctggcctt ctgtactaa tcctaacact catactactc	240
gtcctattct caccagacct attagggac gccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcccgaat	328

<210> 23

<211> 328

<212> DNA

<213> darz16SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 3 using primers mcb398 and mcb869

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcg aaaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctggcctt ctgtactaa tcctaacact catactactc	240
gtcctattct caccagacct attagggac gccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcccgaat	328

<210> 24

<211> 328

<212> DNA

<213> sbz22AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 1 using primers mcb398 and mcb869

<400> 24

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctgtt cctccatgaa	120
acaggatcta ataaccctc aggaatggta tctgactcag ataaaattcc attccatcca	180
tactatacaa tcaaagatat cctaggcctt ctatgactaa tcttaacact catactactc	240
gtcctattct caccagacct attaggagat cccgacaact ataccccgc caatcctcta	300
agcaccctc cccatataaa acctgaat	328

<210> 25

<211> 328

<212> DNA

<213> sbz38AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 2 using primers mcb398 and mcb869

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ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctgtt cctccatgaa	120
acaggatcta ataaccctc aggaatggta tctgactcag ataaaattcc attccatcca	180
tactatacaa tcaaagatat cctaggcctt ctatgactaa tcttaacact catactactc	240
gtcctattct caccagacct attaggagat cccgacaact ataccccgc caatcctcta	300
agcaccctc cccatataaa acctgaat	328

<210> 26

<211> 328

<212> DNA

<213> sbz39AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 3 using primers mcb398 and mcb869

<400> 26

tgaatctgag gaggcttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagtcc acctcctgtt cctccatgaa	120
acaggatcta ataaccctc aggaatggta tctgactcag ataaaattcc attccatcca	180
tactatacaa tcaaagatat cctaggcctt ctatgactaa tcttaacact catactactc	240
gtcctattct caccagacct attaggagat cccgacaact ataccccgc caatcctcta	300
agcaccctc cccatataaa acctgaat	328

<210> 27

<211> 328

<212> DNA

<213> humsk

<220>

<223> DNA sequence generated from the known human (*Homo sapiens sapiens*) using primers mcb398 and mcb869

<400> 27

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ttcatcttgc ctttcattat tgcagcccta gcagcactcc acctcctatt cttgcacgaa	120
acgggatcaa acaacccctt aggaatcacc tcccatccg ataaaatcat cttccaccct	180
tactacacaa tcaaagacgc cctcggctta cttctttcc ttcttcctt aatgacat	240
acactattct caccagacct cctaggcgac ccagacaatt ataccctagc caacccctta	300
aacacccctc cccacatcaa gcccgaat	328

<210> 28

<211> 328

<212> DNA

<213> chimss

<220>

<223> DNA sequence generated from the known chimpanzee (*pan troglodytes*) animal using primers mcb398 and mcb869

<400> 28

tgaatctgag gaggctactc agtagacagc cttaccctta cacgattctt cacccctcac	60
tttatcttac ctttcattat cacagcccta acaacacttc atctcctatt cttacacgaa	120
acaggatcaa ataacccctt gggaaatcacc tcccatccg acaaaattac cttccaccct	180
tactacacaa tcaaagatata cttggctta ttcctttcc tccttacat aatgacat	240
acactattct caccagacct cttggcgat ccagacaact ataccctagc taacccctta	300
aacacccctc cccacattaa acccgaat	328

<210> 29

<211> 472

<212> DNA

<213> *Cervus nippon centralis*

<400> 29

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ttccatataat tggcacaaac ctatcgaaat ggatctgagg gggcttctca gtagataaag	120
caaccctaac ccgattttc gcttccact ttattttcc atttatcatc gcagcacttg	180
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat	240
cggacgcaga caaaatcccc ttccatccctt actacaccat taaagatatac ttggcatct	300
tacttctagt actcttccta atattactag tattatcgcc accagacctg cttggagatc	360
cagacaacta taccccgca aatccactca acacacccccc tcacatcaaa cctgaatgat	420
acttcctatt tgcatacgcatacgtt caattcccaa caaacttagga gg	472

<210> 30

<211> 472

<212> DNA

<213> Cervus nippon yesoensis

<400> 30

taccatgagg acaaataatca ttctgaggag caacagtcat taccaacctc ctctcagcaa	60
ttccatataat tggcacaaac ctatcgaaat ggatctgagg gggcttctca gtagataaag	120
caaccctaac ccgattttc gcttccact ttattttcc atttatcatc gcagcacttg	180
ctatagtaca cttactcttc cttcacgaga caggatccaa caacccaaca ggaatcccat	240
cggacgcaga caaaatcccc ttccatccctt actacaccat taaagatatac ttggcatct	300
tacttctagt actcttccta atattactag tattatcgcc accagacctg cttggagatc	360
cagacaacta taccccgca aatccactca acacacccccc tcacatcaaa cctgaatgat	420
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<210> 31

<211> 472

<212> DNA

<213> Cervus nippon keramae

<400> 31

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ttccatacat tggcacaaac ctatcgaaat ggatctgagg aggctttca gtagataaaag	120
caaccctaac ccgattttc gccttccact ttattttcc atttatcatc acagcactcg	180
ctatagtaca cttactcttc ttccacgaga caggatccaa caacccaaca ggaatccat	240
cggacgcaga caaaaatcccc ttccatcctt actataccat taaagatatac cttaggcatact	300
tacttctagt actcttcctg atattactag tattattcgc accagacctg cttggagatc	360
cagacaacta caccggcaga aatccgctca acacacccccc tcacatcaaa cctgaatgat	420
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<210> 32

<211> 472

<212> DNA

<213> Cervus nippon pulchellus

<400> 32

taccatgagg acaaatatca ttctgaggag caacagtcat taccaacctt ctctcagcaa	60
ttccatacat tggcacaaac ctatcgaaat ggatctgagg aggctttca gtagataaaag	120
caaccctaac ccgattttc gccttccact ttattttcc atttatcatc acagcactcg	180
ctatagtaca cttactcttc ttccacgaga caggatccaa caacccaaca ggaatccat	240
cggacgcaga caaaaatcccc ttccatcctt actataccat taaagatatac cttaggcatact	300
tacttctagt actcttcctg atattactag tattattcgc accagacctg cttggagatc	360
cagacaacta caccggcaga aatccgctca acacacccccc tcacatcaaa cctgaatgat	420
atttcctatt tgcatcagca atcctacgat caattcccaa caaacttagga gg	472

<210> 33

<211> 472

<212> DNA

<213> Cervus nippon nippon

<400> 33

taccatgagg acaaatatca ttctgaggag caacagtcat taccaacctc ctctcagcaa	60
ttccatacat tggcacaaac ctatcgaaat ggatctgagg aggctttca gtagataaaag	120
caaccctaac ccgattttc gccttccact ttattttcc atttatcatc acagcactcg	180
ctatagtaca cttactcttc ttccacgaga caggatccaa caacccaaca ggaatccat	240

cggaacgcaga caaaaatcccc ttccatcctt actataccat taaagatatac ctaggcacatc 300  
tacttctagt actcttcctg atattactag tattattcgc accagacctg cttggagatc 360  
cagacaacta caccggcagca aatccgctca acacacccccc tcacatcaa cctgaatgat 420  
atttcctatt tgcatacgcatacctacgat caattcccaa caaacttagga gg 472

<210> 34

<211> 472

<212> DNA

<213> *Cervus elaphus scoticus*

<400> 34

taccatgagg acaaataatca ttctgaggag caacagtcat caccaacctt ctctcagcaa 60  
ttccatataat tgggacaaac ctatcgaaat ggatctgagg aggctttca gtagacaaag 120  
caacccttaac ccgatttttc gctttccact ttattctccc atttataatcgcacatcg 180  
ctatagttaca cttaactcttc cttaactgaaa caggatctaa taacccaaaca ggaattccat 240  
cagacgcaga caaaaatcccc ttccatcctt attataccat taaagatatac tttaggcacatc 300  
tacttcttgt actcttctta atattactag tattattcgc accagaccta cttggagatc 360  
cagataacta caccggcagca aacccactca acacacccccc tcataattaaa cctgaatgat 420  
atttcctatt tgcatacgcatacctacgat caattcccaa caaacttagga gg 472

<210> 35

<211> 472

<212> DNA

<213> *Cervus dama*

<400> 35

taccatgagg acaaataatca ttctgaggag caacagttat taccaatctt ctctcagcaa 60  
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caacccttaac tcgatttttc gctttccact ttattctacc atttataatcgcacatcg 180  
ctatagttaca tttaactcttc cttaactgaga caggatccaa taacccaaaca ggaatccat 240  
cagatgtaga taaaattccc ttccatccctt actacaccat taaagatatt tttaggcacatc 300  
tattcctatt tctttctta ataacacttag tactattgc accagacttg cttggagacc 360  
cagacaaata cactccagca aatccactca acacacccccc tcataattaaa cccgaatgat 420  
atttcctatt tgcatacgcatacctacgat caattcccaa taaatttagga gg 472

<210> 36

<211> 472

<212> DNA

<213> *Rangifer tarandus*

<400> 36

taccatgagg acaaatatca ttctgaggag caacagttat cacaacctc ctctcagcaa	60
ttccatataat tggtaataat ctatcgaaat gaatttggagg aggatttct gtagataaag	120
caaccctaac ccgattttt gctttcaact ttattctcc atttattatc gcagcactcg	180
ctatagtcca tttgctttc cttcacgaaa cagggtctaa caatccaaca ggaattccat	240
cagactcaga taaaattcca ttccatccct attatactat caaagacatt ctaggcatcc	300
tactcctaattcttccctt atactactag tattattgc accagactta cttaggagacc	360
cagacaacta taccggcagca aacccactca acactcccccc tcataaaaa cctgaatgat	420
actttctatt cgcatatcgca atctacgat caattccaaa taaacttagga gg	472

<210> 37

<211> 472

<212> DNA

<213> *Moschus fuscus*

<400> 37

taccttgagg acaaatatct ttctgaggag cgacagttat taccaatctt ctctcagcaa	60
ttccatacat tggtaataat ctgggtgaat gaatttggagg aggctctca gtagacaaag	120
caacactcac tcgattcttt gccttcact tcattctcc atttatcatc gcagcactcg	180
ctatggttca cctactcttt ctccacgaaa caggatccaa caacccaaca ggaatcacat	240
cagatataga caaaatccca ttccacccctt actacaccat caaagacatt cttagtgtcc	300
tattactaat cttagtctta ataacactag tactattcac acctgattta cttggagacc	360
cggacaatta taccggcagca aacccattaa atacgcccccc acatataaaa cccgaatgat	420
atttcctatt tgcatatgcc attctacgat caattccaaa taaacttagga gg	472

<210> 38

<211> 472

<212> DNA

<213> *Moschus leucogaster*

<400> 38

taccttgagg acaaatatct ttctgaggag caacagttat taccaatctt ctctcagcaa	60
ttccatacat tggtaataat ctgggtgaat gaatttggagg aggctctca gtagacaaag	120
caacactcac ccgattcttt gccttcact tcattctcc atttatcatc gcagcactcg	180
ctatggttca cctactcttt ctccacgaaa caggatccaa caacccaaca ggaatcacat	240
cagatataga caaaatccca ttccacccctt actacaccat caaagacatt cttagtgtcc	300
tattactaat cttagtctta ataacactag tactattcac acctgattta cttggagacc	360
cggacaatta taccggcagca aacccattaa atacgcccccc acatataaaa cccgaatgat	420
atttcctatt tgcatatgcc attctacgat caattccaaa taaacttagga gg	472

<210> 39

<211> 472

<212> DNA

<213> *Moschus chrysogaster*

<400> 39

taccttgagg acaaatatct ttctgaggag caacagttat taccaatctt ctctcagcaa	60
ttccatacat tggtaactaac ctgggtgaat gaatttggagg aggcttctca gtagacaaag	120
caacactcac tcgattcttt gccttccact tcattctccc atttatcatc gcagcactcg	180
ctatggtca cctactcttt ctccacgaaa caggatccaa caacccaaca ggaatcacat	240
cagacataga caaaatccca ttccacccct actacaccat caaagacatt cttaggtgtcc	300
tattactaat cttagtccta ataacactag tactattcac acctgattta cttggagacc	360
cggacaatta taccccgca aaccattaa atacgcccc acatattaaa cccgaatgat	420
acttcctatt tgcataatgcc attctacgat caattcccaa caaacttagga gg	472

<210> 40

<211> 472

<212> DNA

<213> *Moschus berezovskii*

<400> 40

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ttccttacat tggtaataat ctgggtgaat gaatctgagg aggcttctca gtagacaaag	120
caacactcac ccgattcttt gccttccact tcattctccc atttatcatc gcagcactcg	180
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cagacataga caaaatccca ttccacccct actacactat caaagacatt cttaggtgtcc	300
taataactaat cttagtccta atagtaactag tactattcac acccgattta cttggagacc	360
cggacaatta taccccgca aaccattaa acacaccacc acatattaaa cccgaatgat	420
acttcctatt tgcataatgcc attctacgat caattcccaa caaacttagga gg	472

<210> 41

<211> 472

<212> DNA

<213> *Moschus moschiferus*

<400> 41

taccttgagg acaaatatct ttctgaggag caacagtcat cactaacctt ctctcagcaa	60
ttccctacat tggtaactaac ctgggtgagt gaatttggagg aggcttctca gtagacaaag	120
caacactcac ccgattcttt gccttccact ttatctccc atttatcatt gcagcactcg	180
ccatggtca tctactcttt ctccatgaaa caggatccaa taacccaaca ggaatcacat	240
cagacataga caaaatccca ttccacccct actacaccat caaagatatt cttaggtatcc	300
tattactaat cttaatctta atagcactag tgctattac acccgaccta cttggagatc	360
cggacaacta tactccagca aaccattaa atacacccct acatattaaa cccgaatggt	420
actttctatt tgcataatgcc attctacgat caattcctaa taaacttagga gg	472

<210> 42

<211> 472

<212> DNA

<213> *Kobus ellipsiprymnus*

<400> 42

taccatgagg acaaataatcc ttctgaggag caacagtcat caccaatctc	ctttcagcaa	60
ttccatacat tggcacaaac ctatcgaaat gaatctgagg aggatttca	gtagataagg	120
caacccttac ccgccttcttc gccttccact ttatcctccc atttatcatc	gcggctat	180
ccatagtcca tcttctgttt ctccatgaaa caggatccaa taatcccaca	ggaatctcat	240
cagacataga taaaatccca ttccacccct actacaccat caaagacatt	ctaggcgccc	300
tactactaat cctatgccta atactcttag ttctattcgc ccccgaccta	cttggagatc	360
ctgacaacta tgccccagca aacccactta acacgcccct cacaattaaa	cctgaatgat	420
acttcttatt cgcatatgca attctacgat caatccccaa caaacttagga	gg	472

<210> 43

<211> 472

<212> DNA

<213> *Kobus megaceros*

<400> 43

taccatgagg acaaataatcc ttctgaggag cgacagtcat cactaatctc	ctttcagcaa	60
tcccatatat cggcacaaac ctatcgaaat gaatctgagg aggatttca	gtagacaaag	120
caacccttac ccgccttcttc gccttccact ttatcctccc atttatcatc	gcagctatcg	180
ctatagtcca cctactattc ttccatgaaa caggatctaa caaccctaca	gggatttcat	240
cagacacaga caaaatccca ttccacccat attataccat caaagatatt	ctaggtgccc	300
tccttattaat cctaatacta atactcttag tactatttgc ccccgaccta	cttggagacc	360
ctgacaatta taccggcagca aacccactta atacacctcc ccatattaaa	cccgaatgat	420
atttcttatt cgcatatcgca attttacggt caattcctaa taaaactggga	gg	472

<210> 44

<211> 472

<212> DNA

<213> *Redunca arundinum*

<400> 44

taccatgagg acaaataatcc ttctgaggag caacagttat cactaatctt	cttcagcaa	60
tcccatatat cggcacaaac ctatcgaaat gaatctgagg aggatttca	gtcgataaaag	120
caacccttac ccgcattcttc gccttccact ttatcctccc attcattatc	acagccctcg	180

ctatagtaca cctactattc ctccacgaaa caggatccaa caaccctaca ggaatctcat	240
cagatgtaga caaaatccca tttcatccat actatactat caaggacgtc cttaggcgccc	300
tactgctaat cctagtccta atgctcttag tattattcac ccctgaccta ctcggagatc	360
ccgacaatta tactccagca aatccactca acacacccccc tcataaaaa cccgaatgtat	420
acttcttatt tgcatatgca atcctacgat caatccccaa taaacttagga gg	472

<210> 45

<211> 472

<212> DNA

<213> *Redunca fulvorufula*

<220>

<221> n

<222> 269;431

<223> unknown base

<400> 45

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caaccctcac tcgattcttc gccttccact ttatcctccc atttatcatc atagccctcg	180
ctatagtcca cctactattc ctccatgaaa caggatccaa caacccaca ggggtttcat	240
cagayatgga caaaatccca ttccacccnt actacaccat caaagayatt ctaggtgc	300
tactactaat cctggcccta acactattag tactattcac ccctgaccta ctcggagacc	360
cggacaatta caccccgagca aacccactca acacacccccc tcacatcaaa ccagaatgtat	420
acttcttatt ngcatacgca atcctacgat caatccccaa taaacttagga gg	472

<210> 46

<211> 472

<212> DNA

<213> *Neotragus moschatus*

<400> 46

tgccatgggg acaaataatcc ttctgaggag caacagtcata caccatcta ctatcagcaa	60
tcccatatat cgccacaacac ctagtcata gaatctgagg gggttctca gttagacaag	120
caaccctcac ccgattttt gccttccact tcattctccc atttatcatc gcagcactcg	180
ccatagtcata cttactcttc ctacacgaaa caggatccaa caacccaca ggaatctcat	240
cagacgcaga caaaatccca ttccacccnt actacaccat taaagacatt ctaggcgc	300
tcctactaat tctagtgcta acactcttag ttttatttgc acctgacctt ttaggagacc	360
cagacaacta caccccgca aaccctctta acacgcctcc ccatatcaaa cccgaatgtat	420
actttttatt cgccatacgca atcctacgat caatccccaa taaacttagga gg	472

<210> 47

<211> 472

<212> DNA

<213> Pelea capreolus

<400> 47

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tcccatacat tggtacaaac ctagtcaat gaatctgagg gggattttca gtagacaaag	120
caaccctcac ccgattttt gcttccact ttattctccc atttattcatt gcagccctca	180
ccatagtaca cttgctttt cttcatgaaa caggatctaa taacccacg ggaattccat	240
ccgacataga caaaaattcca ttccacccat actacaccat taaagatatt cttaggcgcct	300
tattactaat cctaattcta acactcttag tattattac ccctgaccta ttaggagacc	360
ctgacaatta cacccttgca aaccgcgtca acacacccccc tcataatcaaa cccgaatgat	420
atttcctatt tgcatatgcg attctacgat caattcccaa caaacttagga gg	472

<210> 48

<211> 472

<212> DNA

<213> Antilope cervicapra

<400> 48

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tcccatacat cggtagaaac ctagtagaaat gaatctgagg agggttctca gtagataaag	120
caacccttac ccgattttc gccttccact ttatcctccc atttattcatt gcagccctta	180
ccatagtaca cctactgttt ctccacgaaa caggatccaa caacccaca ggaatctcat	240
cagacgcaga caaaaattcca ttccacccct actacactat caaagatatac cttaggagctc	300
tactattaat tttaaccctc atgcttctag tcctattctc accggacctg cttggagacc	360
cagacaacta tacaccagca aacccactta atacacccccc acatatacg cccgaatgat	420
acttcctatt tgcatatgcg atcctccgat caattcctaa caaacttagga gg	472

<210> 49

<211> 472

<212> DNA

<213> Saiga tatarica

<400> 49

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tcccataat cggcacagac ctagtagaaat gaatctgagg gggttttca gtagataaag	120
caaccctcac ccgattttc gccttccact tcattctccc atttattatc gcagctctcg	180
ctatagtcca cctactttt ctccacgaaa caggatctaa caacccaca ggaatcccat	240

cagattcaga caaaaatccca ttccacccct actacaccat taaagacatt ctaggcgccc	300
tactacttat tctaattcctc atacttctag tcctattttc accagacctg cttggagacc	360
cagacaacta cacrccagca aacccactta acacacccccc acatattaaa cccgaatgat	420
acttcctatt cgcatcgcata atcctccgat caattcctaa taaacttagga gg	472

<210> 50

<211> 472

<212> DNA

<213> *Gazella dama*

<400> 50

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tcccatacat cggcacagac ctagtagaat gaatctgagg aggattctca gtagataagg	120
caacactcac ccgattcttt gccttcatt tcattttccc attcatcatt gcagcccttg	180
ccatagttca tctattttt cttcacgaaa cggatccaa caacccaca ggaatttcat	240
cagatgcaga caaaaattccg ttccacccct actacaccat caaagacatt cttaggagcac	300
tactattaat tctagccctc atacttctag ttctatttcac accagatctg cttggagacc	360
cagacaacta cacaccagca aatccactca atacacccccc acatattaag cctgagcgt	420
atttcctatt tgcatcgcata attctccgat caattcctaa taaacttagga gg	472

<210> 51

<211> 472

<212> DNA

<213> *Ourebia ourebi*

<400> 51

taccatgagg acaaataatcc ttttgaggag caacagtcatt caccaacctc ctctcagcaa	60
ttccatacat tggtaaaaaac ctagtcaat gaatctgagg agggtctca gtagacaagg	120
caactctaac ccgattcttt gccttcact tcattttccc attcatcatt gcagcccttg	180
ccacagttca cctactattc cttcacgaaa cggatccaa caatcccaca ggaatttcat	240
cagatgcaga caaggtccca ttccacccct actacaccat taaagacatc cttaggcgcct	300
tcctactataat tctagccctc atgctctag tcatttttcac accagacctg cttggagacc	360
cagacaacta tacaccagca aacccactaa atacacccccc acatattaaa cctgagtgg	420
atttcctatt cgcatcgcata attctccgat cgattcccaa caaacttagga gg	472

<210> 52

<211> 472

<212> DNA

<213> *Gazela gazella*

<400> 52

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tcccatacat cggcacaaac ctagtagaat gaatctgagg gggattctcg gtagataaaag	120
caacactcac ccgattcttt gctttcaact ttatcctccc attcatcatt gcagccctcg	180
ctatagttca cttattatttc cttcatgaaa caggatccaa taaccccaca ggaatttcat	240
cagacgcaga caaaatccca tttcacccct actacacccat caaggacatt ctaggagac	300
tactactaat cctagttctt atactcctag ttctgttctc accggaccta ctcggagacc	360
cagacaacta tacaccagca aatccactca acacacccccc acacatcaaa cctgaatggt	420
acttcttatt cgcatatgca attctccgat caattcccaa taaacttagga gg	472

<210> 53

<211> 472

<212> DNA

<213> Raphicerus melanotis

<400> 53

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ttccctacat tggcacaaac ctagtagaat ggatctgagg aggatttca gttgataaaag	120
caaccctcac ccgattcttc gctttcaact tcagttctcc atttattcattc gcagccctag	180
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cagatataga caaaatccca tttcacccct actacacccat taaagacatt ttaggagccc	300
tcctattaat cctaaccctt atgcttctag ttctattcgc accagaccta ctcggagacc	360
cagacaacta tacaccagca aacccactca acacacccccc acatatcaaa cccgaatggt	420
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<210> 54

<211> 472

<212> DNA

<213> Madoqua kirkii

<400> 54

tgccatgagg acaaatatcc ttctgaggag caacagttat cactaacctc ctctcagcaa	60
tcccataatat cggcacaaac tttagttgaat gaatctgagg gggcttctca gtagacaaaag	120
caaccctcac ccgattcttc gccttcatt ttattctccc attcatttattt gcagccctag	180
ccatggttca cctcctcttt ctccatgaaa cgggatccaa cagcccccaca ggcatttcat	240
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tactactaat tataggcctc atactcctag ttctattctc accagacctg ctcggagacc	360
cagacaacta cacaccagca aatccctta acacacccccc acacattaaa cctgaatgat	420
atttcctatt cgcatatgca atcctccgat caatccctaa caaacttaggg gg	472

<210> 55

<211> 472

<212> DNA

<213> Antilocapra americana

<400> 55

taccatgagg acaaataatca ttctgagggg caacagtcat tactaaccta ctctcagcaa	60
tcccatacat tggtaactaac ctagtagaaat gaatctgagg gggattctca gtagacaaag	120
caaccctcac ccgattcttc gcattccact ttatcctccc attcatcatt gcagcactag	180
ccatagtaca cttactattc ctccacgaaa caggatccaa caaccccaca ggaatccat	240
cagacgcaga caaaatcccc ttccacccat actacaccat caaagacatt cttaggagcac	300
tactaataat cttagcccta ataatactag tactattctc accagacctg ttaggagacc	360
ccgacaacta cacaccagct aacccactca acactcccc acacattaag ccagaatgat	420
atttcctatt cgcatacgca atcctacgat caatccctaa caaacttagga gg	472

<210> 56

<211> 472

<212> DNA

<213> Tragulus javanicus

<400> 56

taccctgagg acagatatct ttctgaggag ccacagtcat caccaacctc ttatcagcta	60
tcccatacat tggcacagac ttggtcaat gaatctgagg tggtttca gtagacaaag	120
caacccttac acgattcttt gccttccact ttatcctcc atttatcatt acagccctag	180
tcctagtcca ccttttattt ctccacgaaa caggatctaa taaccccaca ggaatccct	240
cagacgcaga caaaatcccc ttccacccat actacactat taaagacatt cttaggggttc	300
tagccctatt tctagcccta atactactag tcctattctc acccgaccta cttggagacc	360
cagataacta caccggcgc aacccctta acacaccacc ccataatcaaa cccgaatgat	420
atttcattt tgcatacgca attcttcggt caatccctaa taaacttagga gg	472

<210> 57

<211> 472

<212> DNA

<213> Tragulus napu

<400> 57

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tcccctatcat cggcacggaa ctagttaat gaatctgagg cgggtctca gtagacaaag	120
caacccttac acgattttt gccttccact tcatacctccc atttgcatt acagccctag	180
ccctagtcca tcttttattt ctccacgaga caggatctaa taaccccaca ggaatccct	240
cagacgcaga caagatcccc ttccacccat actacaccat caaagatgtc cttaggggttc	300
tagtcctaact attagtcctt ctattactag tcctattttc accggacttg ttgggagacc	360
ccgacaatta cactccggca aacccctca acacaccacc tcataatcaag ccagagtgg	420
atttcctatt cgcatacgca atcctacgat caatccctaa taaatttagga gg	472

<210> 58

<211> 472

<212> DNA

<213> Balaenoptera acutorostrata

<400> 58

taccctgagg acaaataatca ttttgaggtg caaccgtcat caccaacctc ctatcagcaa	60
tcccatatat tggtaactacc ttagtcaat gaatctgagg tggcttctct gtagacaaag	120
caacattaac acgcttttt gccttccact tcatacctccc ttttattatc ctgcattag	180
caattgtcca cctcattttc ctccacgaaa caggatccaa taacccaca ggtatccat	240
ctgacataga caaaatccca ttccacccct actacacaaat caaagacatt ctggcgccc	300
tactactaat tctaacccta ctgcactaa ccctattcgc accggacctg cttggagacc	360
ccgacaacta taccggcagca aacccactca gtacccacgc acacattaaa ccagaatgat	420
atccctatt cgcatacgca atcctacgat caatccctaa taaacttaggc gg	472

<210> 59

<211> 472

<212> DNA

<213> Balaenoptera bonaerensis

<400> 59

taccctgagg acaaataatca ttttgaggcg caaccgtcat caccaacctc ctatcagcaa	60
tcccatacat tggtaaccacc ttagttcaat gaatctgagg tggcttctct gtagacaaag	120
caacattaac acgcttttc gccttccact tcatacctccc tttcattatc ctgcattag	180
caattgtcca cctcattttc ctccgcgaaa caggatccaa taacccaca ggtattccat	240
ctgatataca caaaatccca ttccacccct attacacaaat caaagacatt ctggcgccc	300
tactactaat tctaacccta ctaacactaa ccctattcgc accggacctg ctcggagacc	360
ccgacaacta caccggcagca aacccactca gtacccacgc acacattaaa ccagaatgat	420
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<210> 60

<211> 472

<212> DNA

<213> Balaenoptera borealis

<400> 60

taccctgagg acaaataatca ttttgaggcg caaccgtcat caccaacctc ttatcagcaa	60
tcccatacat tggtaactacc ctatcgaaat ggatctgagg cggttctct gtagataaag	120
caacactaac acgtttttt gccttccact tcattctcc cttcattatt ctgcactag	180
caatggtcca cctcattttc ctccatgaaa caggatccaa caacccaca ggtattccat	240
ccgacataga caaaatccca ttccacccctt actacacagt taaagacatt ctggcgccc	300
tactactaat cctaacccta ctaatactaa ccctattcgcc acccgacctg cttggagacc	360
cagacaacta caccggcagca aatccactca gtaccccaac acacattaaa ccagaatgat	420
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<210> 61

<211> 472

<212> DNA

<213> Balaenoptera edeni

<400> 60

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tcccatacat tggtaactacc ctatcgaaat gaatctgggg cggttctct gtagataaag	120
caacactaac acgtttttt gccttccact ttatcctcc cttcattatt ctgcactag	180
caatggtcca cctcattttc ctccacgaaa caggatccaa taacccaca ggtattccat	240
ccaacataga caaaatccca ttccacccctt attacacaaac taaagacatt ctggcgccc	300
tactactaat cctaacccta ctaatgctaa ccctattcggt acccgaccta cttggagacc	360
cagacaacta cactccagca aatccactca gtaccccaac acacattaaa ccagaatgat	420
atttcattt tgcatcgtt atcctacgat caatccccaa caaatttaggc gg	472

<210> 62

<211> 472

<212> DNA

<213> Eschrichtius robustus

<400> 62

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tcccatacat tggcaactacc ctatcgaaat gggctctgagg cggtttttct gtagataaag	120
caacactaac acgtttttt gccttccact tcattcattcc attcattatc ctgcactag	180
caattgtcca cctcattttc ctccacgaaa cgggatccaa caacccaca ggcattccat	240

ccaacataga caaatatccca ttccacccctt attacacaat taaagacata ctaggcgc	300
tgctactaat cctaacccta ctaatactaa ccctattcgc acccgacctg ctcggagacc	360
cagacaacta taccggcagca aaccgactca gcaccccaac acatattaaa ccagagtgtat	420
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<210> 63

<211> 472

<212> DNA

<213> Balaenoptera musculus

<400> 63

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tcccatacat tggtaatacc ctatcgaaat gaatctgagg cggtttttct gtggataaag	120
caacactaac acgtttcttt gccttccact tcattctccc cttcatcatt atagcattag	180
caatcggtca cctcatcttc cttcacgaaa caggatccaa caaccccaac ggtatccat	240
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tactactaat cctaacccta ctaatattaa ctctatttgc acccgactta ctcggagacc	360
cagacaacta caccggcagca aaccgactca gtaccccaac acacattaaa ccagagtgtat	420
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<210> 64

<211> 472

<212> DNA

<213> Megaptera novaeangliae

<400> 64

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tcccatacat tggtaatacc ctatcgaaat gaatctgggg cggtttttcc gttagacaaag	120
caacactaac acgtttcttt gccttccact tcattctccc cttcatcatt acagcattag	180
caatcggtca cctcattttc ctccacgaaa caggatccaa caaccccaac ggcattccat	240
ccaacataga caaaatccca ttccacccctt actacacaat caaagacact ctaggcgc	300
tattactaat cctaacccta ctaatgttaa ccatttcgc acctgacctg cttggagacc	360
cagataacta caccggcagca aaccgactca gtaccccaac acacattaaa ccagagtgtat	420
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<210> 65

<211> 472

<212> DNA

<213> Balaenoptera physalus

<400> 65

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caacactaac acgtttttt gccttcaact ttatcctccc cttcatcattc ctagcattag	180
caattgtcca ctttattttc cttcacgaaa caggtatccaa caacccacaca ggcacatccat	240
ccgacataga taaaatccca ttccacccctt accacacaat taaagacatt ctaggtgcoc	300
tattactaat cctaattccta ctaataactaa ccctattcgc acccgaccta cttggagacc	360
cagacaacta taccggcga aacccactca gtacccagc acacattaaa ccagaatgg	420
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<210> 66

<211> 472

<212> DNA

<213> Caperea marginata

<400> 66

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cgacactaac tcgccttctt gcttccact tcattcctccc tttcattattt ctagcgctag	180
cagctgtca tctccttttc ctccacgaaa caggtatctaa caacccacaca ggcacatccat	240
ccaacataga caaaatttcca ttccacccctt actacacaat taaagacatc ctggcggtcc	300
tactactaat cctgacccta ctaatattaa ctttattttac acctgacctg cttggagacc	360
ctgacaacta cacccagca aatccctca gcacccacgc acacatcaag ccagaatgt	420
acttcctatt tgcataatcgca atcctacgat caattcctaa taaatttaggt gg	472

<210> 67

<211> 472

<212> DNA

<213> Cephalorhynchus commersonii

<400> 67

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caacactaac acgttttttgc ctttccact ttatcctccc attcatcattc acagcattag	180
cagccgtcca cttactattc ctacacgaaa caggtatccaa caacccacaca ggaatccat	240
ccaacataga cataatccca ttccacccctt attacacaat taaagacatc ctaggcgttt	300
tattcctataat cctaacccta ctagcattaa ccctatttgc ccccgaccta ctaggagacc	360
ctgataacta taccggcga aatccattaa gcacccacgc acacatcaaa ccagagtgt	420
acttcctatt cgcatatcgca atcctacgat caattcccaa taaacttgga gg	472

<210> 68

<211> 472

<212> DNA

<213> *Cephalorhynchus eutropia*

<400> 68

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tcccctacat cggtactacc ttagtagaat gaatctgagg cggtttcc gtagacaaag	120
caacactaac acgttttc gccttccact ttatcctccc attcatcatc acagcattag	180
cagccgtcca cctactattc ctacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatccca ttccaccctt attacacaaat taaagacatc cttaggcgtt	300
tattcctaatt cctaacccta ctgcactaa ccctattcgc ccctgaccta cttaggagacc	360
ctgataacta taccggcga aatccattaa gcaccccgac acacatcaaa ccagaatgt	420
acttcctatt cgcatatgca atcctacgat caattcctaa taaaacttggaa gg	472

<210> 69

<211> 472

<212> DNA

<213> *Lagenorhynchus obliquidens*

<400> 69

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tcccctacat cggtactacc ttagtagaat gaatctgagg cggtttcc gtagacaaag	120
caacactaac acgttttc gccttccact ttatcctccc attcatcatc acagcattag	180
cagccgtcca cctactattc ctacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatccca ttccaccctt attacacaaat taaagacatc cttaggcgtt	300
tattcctaatt tctaacccta ctgcactaa ccctattcgc ccctgaccta cttaggagacc	360
ctgataacta taccggcga aatccattaa gcaccccgac acacatcaaa ccagaatgt	420
acttcctatt cgcatatgca atcctacgat caattcctaa taaaacttggaa gg	472

<210> 70

<211> 472

<212> DNA

<213> *Cephalorhynchus heavisidii*

<400> 70

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tcccctacat cggtactacc ttagtagaat gaatctgagg cggtttcc gtagacaaag	120
caacactaac acgttttc gccttccact ttatcctccc attcatcatc acagcattag	180
cagccgtcca tctactattc ctacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatccca ttccaccctt attacacaaat taaagacatc cttaggcgtt	300
tattcctaatt tctagcccta ctgcactaa ccctattcgc ccctgaccta ctgggagacc	360

ctgataacta taccccgca aatccattaa gcaccccgca acacatcaaa ccagaatgat	420
acttcctatt cgcatatgca atcctacgat caatccctaa taaaacttgga gg	472

<210> 71

<211> 472

<212> DNA

<213> *cephalorhynchus hectori*

<400> 71

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tcccctacat cggtactacc ttagtagaat gaatctgagg aggattttcc gtagacaaaag	120
caacactaac acgcgttttc gcctttcact ttatcctccc attcatcatc acagcattaa	180
cagccgtcca cttactattc ttacacgaaa caggatccaa caacccaca ggaattccat	240
ccaacataga cataatccca ttccaccctt attacacaat taaagacatc tttaggcgtt	300
tattcctaattcttaatccca ctagcactaa ccctattcgc ccctgaccta ctaggagacc	360
ctgataacta taccccgca aatccattaa gcaccccgca acacatcaaa ccagaatgat	420
acttcctatt cgcatatgca atcctacgat caatccctaa taaaacttgga gg	472

<210> 72

<211> 472

<212> DNA

<213> *Lagenorhynchus australis*

<400> 72

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caacactaac acgcgttttc gctttccact ttatcctccc attcatcatc acagcattag	180
cagccgtcca cttactattc ttacacgaaa caggatccaa caacccaca ggaatccat	240
ccaacataga cataatccca ttccaccctt actacacaac taaagacatc tttaggcgtt	300
tattcctaattcttaatccca ctagcactaa ccctattcgc ccctgaccta ctaggagacc	360
ctgacaacta taccccgca aatccattaa gcaccccgca acacatcaaa ccagaatgat	420
atttcctatt cgcatatgca atcctacgat caatccctaa taaaactcgga gg	472

<210> 73

<211> 472

<212> DNA

<213> *Lagenorhynchus cruciger*

<400> 73

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caacactaac acgcttttc	gtttccact tcatcctccc	attcatc	acagcattag	180
cagccgtcca cctgctattc	ctacacgaaa caggatccaa	caacccaca	ggaatccc	240
ccaacataga cataatccca	ttccaccctt actacacaat	taaagacatc	ctaggcgctt	300
tattccta	cttaacccta ctagcactaa	ccctgttac	ccctgaccta	360
ctgacaacta taccccgagca	aatccattaa gcaccccg	acacatcaa	ccagaatgat	420
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<210> 74

<211> 472

<212> DNA

<213> *Lagenorhynchus obscurus*

<400> 74

taccctgagg acagatata	ttttgaggtg caacagtcat	caccaac	ctatcag	60
tccctacat tggactacc	ttagtagaat gaatctgagg	cggtttcc	gtagacaa	120
caacactaac acgcttttc	gtttccact ttatcctccc	attcatc	acagcattag	180
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ccaacataga cataatccca	ttccaccctt attacacaat	taaagacatc	ctaggcgctt	300
tattccta	tctagcccta ctaacactaa	ccatttac	ccctgaccta	360
ctgataacta taccccgagca	aatccattaa gcaccccg	acacatcaa	ccagaatgat	420
attcctatt cgcatatgca	atcctacgat caattcctaa	taaactcgga	gg	472

<210> 75

<211> 472

<212> DNA

<213> *Lissodelphis borealis*

<400> 75

taccctgagg gcagatata	ttttgaggtg caaccgtcat	caccaac	ctatcag	60
tccctacat cggtactacc	ttagtagaat gaatctgagg	cggtttcc	gtagacaa	120
caacactaac acgcttttc	gtttccact ttatcctccc	attcatc	acagcattag	180
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ccaacataga cataatccca	ttccaccctt attacacaat	taaagacatc	ctggcgctt	300
tattccta	tctggcccta ctagcactaa	ccatttac	ccctgaccta	360
ctgataacta caccccgagca	aatccattaa gcacccctgc	acacatcaa	ccagaatggt	420
attcctatt tgcatacgca	atcctacgat caattcctaa	taaactcgga	gg	472

<210> 76

<211> 472

<212> DNA

<213> *Lissodelphis peronii*

<400> 76

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caacactaac acgtttttc gcttccact ttatcctccc attcatcatc acagcattag	180
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tattcttaat tctgacccta ctagcactaa ccctattac ccctgacctg ttaggagatc	360
ctgataacta caccggcga aatccattaa gcacccctgc acacatcaaa ccagaatgg	420
actttctatt cgcatacgtca atcctacgt caattctaa taaaacttgga gg	472

<210> 77

<211> 472

<212> DNA

<213> *Globicephala macrorhynchus*

<400> 77

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tcccttacat cggcaccacc tttagtagaat gaatctgagg tggattttcc gtagacaaag	120
caacactaac acgtttttc gcttccact ttatcctccc attcatcatc acagcattag	180
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tactcttaat cctagcacta ctaacactaa ccctattcac ccctgaccta cttaggagacc	360
ctgataacta tactccagca aatccactaa gcacccctgc acacatcaaa ccagaatgt	420
atttcctatt cgcataatgca atcttacgt caattcccaa taaaacttgga gg	472

<210> 78

<211> 472

<212> DNA

<213> *Globicephala melas*

<400> 78

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caacactaac acgtttttc gcttccact ttatcctccc attcatcatc acaacattag	180
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ctgataacta tactccagca aacccactaa gcacccctgc acacatcaaa ccagaatgt	420
atttcctatt cgcataatgca atcttacgt caattcccaa taaaacttgga gg	472

<210> 79

<211> 472

<212> DNA

<213> *Feresa attenuata*

<400> 79

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caacactaac acgtttttc	gctttccact	ttatcctccc	attcatcatc	180
tagctgttca cctgctattc	ctacacgaaa	caggatccaa	taacccaca	240
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tactcttaat tctaaccat	ctaacactaa	ccctgttca	ccctgaccta	360
ctgataacta tactccagca	aacccactaa	gcacccctgc	acacatcaaa	420
atttcctatt cgctatgc	atcttacgat	caattcctaa	ccagagtgtat	472

<210> 80

<211> 472

<212> DNA

<213> *Peponocephala electra*

<400> 80

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caacactaac acgtttttc	gctttccact	tcatcctccc	attcatcatc	180
tagctgttca cctgctattc	ctacacgaaa	caggatccaa	taaccctaca	240
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tactcttaat cttagcacta	ctaacactaa	ccctattcac	ccctgaccta	360
ctaacaacta taccggagca	aacccactaa	gcacccctgc	acacatcaaa	420
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<210> 81

<211> 472

<212> DNA

<213> *Grampus griseus*

<400> 81

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tcccttacat cggtactact	ttagtagaa	aatctgagg	tggatttcc	120
caacactaac acgtttttc	gctttccact	ttatcctccc	attcatcatc	180
tagctgttca cctgctattc	ctacacgaga	caggatccaa	taacccaca	240

ccaacataga cataattcca ttccaccctt attacacaat taaagacatc ctaggcgccc	300
tactccta at cctaaca ctaacacta ccctattcac ccctgaccta ctaggagacc	360
ctgataacta cactccagca aacccgctaa gcacccctgc acacatcaa ccagaatgat	420
at ttcattt cgcatacgat caattccaa caaacttgga gg	472

<210> 82

<211> 472

<212> DNA

<213> *Pseudorca crassidens*

<400> 82

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tcccttacat cggttaccat ttagtagaat gaatctgagg aggattttcc gtagacaaag	120
caacactaac acgtttttc actctccact ttatcctccc attcatcatt acagcactaa	180
cagctaccat cctactattc ctacacgaga ctggatccaa taacccaca ggaatccat	240
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tactcttaat tctaaca ctaacactaa ccctattcac ccccgaccta ctaggagacc	360
ctgataacta tattccagca aacccactaa acacccctgc acacatcaa ccagaatgat	420
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<210> 83

<211> 472

<212> DNA

<213> *Lagenorhynchus acutus*

<400> 83

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tcccttacat cggttaccat ttagtagaat gaatctgagg cggtttcc gtagacaaag	120
caacactgac acgtttttc gccttcatt tcatcctccc attcataatt acagcattag	180
cagctgttca cctgctgttc ctacacgaga caggatccaa taaccctaca ggaatccat	240
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tactcttaat tctaacccta ctagcactaa ccctattcac ccctgaccta ctaggagacc	360
ctgataacta cactccagca aatccactaa gcacccctgc acacatcaa ccagaatgat	420
at ttcattt cgcatacgat caattccaa caaacttgga gg	472

<210> 84

<211> 472

<212> DNA

<213> *Orcinus orca*

<400> 84

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caacactaac	acgtttctt	gccttccact	ttatcctccc	attcatcatc	acagcattaa	180
cagctgttca	cctactgttc	ctacacgaga	caggatccaa	taacccaca	ggaatcccat	240
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ctgacaacta	taccccgagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 85

<211> 472

<212> DNA

<213> *Orcaella brevirostris*

<400> 85

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tcccttacat	cgccactacc	ctagtagaat	gaatctgagg	tggatttcc	gtagacaaag	120
caacactaac	acgtttttc	gccttccact	ttatcctcc	attcatcatc	acagcactag	180
taactgttca	cctactattc	ctacacgaaa	caggatccaa	caatcctaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	atcatacatt	taaagacatc	ctaggcgccc	300
tactcttaat	cttagtccta	ctaacactaa	ccctgttac	ccccgaccta	ctaggagacc	360
ctgataacta	tactcccgagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 86

<211> 472

<212> DNA

<213> *Delphinus capensis*

<400> 86

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tcccttatat	tggcaactacc	ttagtcaat	gaatctgagg	tggattctcc	gtagacaaag	120
caacattaac	acgtttttc	gccttccact	ttatcctcc	attcatcatc	acagcattag	180
cagccgttca	cctgttattc	ctacacgaaa	caggatccaa	taacccaca	ggaatcccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgcct	300
tactcctaat	cttaacccta	ctagcactga	cccttattcac	tccagaccta	ctaggagacc	360
ctgataacta	taccccgagca	aatccactaa	gcacccctgc	acatatcaaa	ccagaatgat	420
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<210> 87

<211> 472

<212> DNA

<213> *Delphinus tropicalis*

<400> 87

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tcccttatat tggcactacc tttagtcaat gaatctgagg tggattctcc gtagacaaag	120
caacattaac acgcttttc gcttccact ttatcctccc attcatcatc acagcattag	180
cagccgttca cctgcttattc ctacacgaaa caggatccaa taacccaca ggaatccat	240
ccaacataga cataatccca ttccaccctt attatacaat caaagatatac ctaggtgc	300
tactcctaattt cttaacccta ctagcactga ccctattcac tcccgaccta ctaggagacc	360
ctgataacta taccggcagca aatccactaa gcacccctgc acacatcaaa ccagaatgat	420
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<210> 88

<211> 472

<212> DNA

<213> *Delphinus delphis*

<400> 88

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tcccttatat tggcactacc tttagtcaat gaatctgagg tggattctcc gtagacaaag	120
caacattaac acgcttttc gcttccact ttatcctccc attcatcatc acagcactag	180
cagccgttca cctgcttattc ctacacgaaa caggatccaa taacccaca ggaatccat	240
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tactcctaattt cttaacccta ctagcactaa ccctattcac tcccgaccta ctaggagacc	360
ctgataacta taccggcagca aatccactaa gcacccctgc acacatcaaa ccagaatgat	420
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<210> 89

<211> 472

<212> DNA

<213> *Stenella clymene*

<400> 89

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tcccttatat tggcactacc tttagtcaat gaatctgagg tggattctcc gtagacaaag	120
caacattaac acgcttttc gcttccact ttatcctccc gttcatcatc acagcattag	180
cagccgttca cctgcttattc ctacacgaaa caggatccaa taacccaca ggaattccat	240
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tactcctaattt cttaacccta ctagcactaa ccctattcac ccccgaccta ctaggagacc	360
ctgacaacta taccggcagca aatccactaa gcacccctgc acacatcaaa ccagaatgat	420
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<210> 90

<211> 472

<212> DNA

<213> *Stenella coeruleoalba*

<400> 90

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tcccttatat tggcaactacc tttagtcaat gaatctgagg tggattctcc gtagacaaag	120
caacattaac acgcttttc gcttccact ttatcctccc gttcattatc acagcattag	180
cagccgttca cctgcttattc ctacacgaaa caggatccaa taacccaaaca ggaattccat	240
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tactcctaattt cttaccctta ctagcaactaa ccctattcac ccccgaccta ctaggagacc	360
ctgataacta taccggcactaa aatccactaa gcacccctgc acacatcaaa ccagaatgtat	420
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<210> 91

<211> 472

<212> DNA

<213> *Tursiops aduncus*

<400> 91

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tcccttatat tggcaactacc tttagtcaat gaatctgagg tggattctcc gtagacaaag	120
caacactaactt acgcttttc gcttccact ttatcctccc gttcgtcatc acagcattag	180
cagccgttca cctgcttattc ctacacgaaa caggatccaa taacccaaaca ggaatccat	240
ccaatataga cataatccca ttccaccctt attatacaat caaagacatc ctaggtgcct	300
tactcctaattt cttaccctta ctagcaactaa ccctattcac ccccgaccta ctaggaaacc	360
ctgataacta taccggcactaa aatccactaa gtaccccccgc acacatcaaa ccagagtat	420
actttctattt cgcatatcgca atcttacgat caatccctaa taaacttgga gg	472

<210> 92

<211> 472

<212> DNA

<213> *Stenella frontalis*

<400> 92

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caacattaac acgcttttc gcttccact ttatcctccc gttcgtcatc acagcattag	180
cagccgttca cctacttattc ctacacgaaa caggatccaa taacccaaaca ggaatccat	240

ccaatataga cataatccca ttccaccctt attatacaat caaagacatc ctaggcgcct	300
tactccta at cctaacccta ctagcactaa ccctattcac ccccgaccta ctaggagacc	360
ctgacaat ta accccagca aatccactaa gcacccctgc acacatcaa ccagaatgat	420
actttctatt cgcatacgca atcttacgat caatccctaa taaacttgga gg	472

<210> 93

<211> 472

<212> DNA

<213> *Sousa chinensis*

<400>93

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tcccttacat tggactacc tttagttaat gaatctgagg cggattttcc gtagacaaaag	120
caacattaac acgcttttc gctttccact ttatcttcc cttcatcatc acagcattag	180
tagccgttca cctgctattc ctacacgaaa caggatccaa taaccctaca ggaattccat	240
ccaacataga cataatccca ttccaccctt attatacaat caaagacatc ctaggtgcct	300
tactccta at cctaacccta ctagcactaa ccctattcac ccccgaccta ctaggagacc	360
ccgataacta tacccagca aatccactaa gcacccctgc acacatcaa ccagaatgat	420
atttctatt cgcatacgca atcttacgat caatccctaa taaacttgga gg	472

<210> 94

<211> 472

<212> DNA

<213> *Stenella longirostris*

<400> 94

taccctgagg acaaataatca ttctgaggtg caaccgtcat caccaacctc ctatcagcaa	60
tcccttataat tggactacc ctagttaat gaatctgagg tggattttcc gtagacaaaag	120
caacattaac acgcttttc gctttccatt ttatctccc attcatcatc acagcattag	180
cagccgttca cctactattc ctacacgaaa caggatccaa taaccctaca ggaatccat	240
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tactcttaat ctaacccta ctagcactaa ccctattcac ccctgactta ctaggagacc	360
ctgataacta tacccagca aatccactaa acacccctgc acacatcaa ccagaatgat	420
atttctatt cgcatacgca atcttacgat caatccctaa taaacttgga gg	472

<210> 95

<211> 472

<212> DNA

<213> *Tursiops truncatus*

<400> 95

tgccctgagg acaaataatca ttctgaggcg caaccgtcat caccacaccc ttatcagcaa	60
tcccttatat cggtactacc tttagtcaat gaatctgagg tggattttcc gtagacaaag	120
caacattaaac acgtttttc gccttccact ttattttcc attcatcatc acagcattgg	180
cagccgttca cctactattc ctacacgaaa caggtccaa caacccaca ggaatcccat	240
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tactcttaat cttaacctt ctagcattaa ccctattcgc ccccgaccta ctaggagacc	360
ctgataacta cacccttgc aatccactaa gcacccctgc acacatcaaa ccagaatggat	420
actttctatt cgcatatcgca atcttacgat caatccctaa taagctcgga gg	472

<210> 96

<211> 472

<212> DNA

<213> *Lagenorhynchus alborostris*

<400> 96

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tcccttatat cggtactacc ctagttagaaat gaatctgagg tggattttcc gtagacaaag	120
caacactaaac acgtttttc gccttccact ttatcctccc attcatcatc acagcactag	180
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tacttttaat cttaacctt ctagcactaa ccctatttac ccccgaccta ctaggagatc	360
ccgataacta tacccttgc aatccactaa gcactcctgc acacatcaaa ccagaatggat	420
atttcctatt cgcatatcgca atcttacgat caatccctaa caaacttggaa gg	472

<210> 97

<211> 472

<212> DNA

<213> *Steno bredanensis*

<400> 97

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caacactaaac acgtttttc gccttccact ttatcctccc attcatcatc atagcattag	180
caactgttca cctactattc ctacacgaga caggtccaa caatccaca ggaatcccat	240
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tacttttaat cttaacttta ctagcactaa ccctatttac ccccgaccta ctaggagacc	360
ccgacaacta tacccttgc aatccactaa gcacccctgc acacatcaaa ccagaatggat	420
atttcctatt cgcatatcgca atcttacgat caatccccaa caaacttggaa gg	472

<210> 98

<211> 472

<212> DNA

<213> *Sotalia fluviatilis*

<400> 98

taccctgagg acaaatatca ttctgaggcg caaccgtcat taccaatctc ctatcagcaa	60
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caacactaac acgcttttc gccttccact ttatcctccc atttatacatc acagcattag	180
cagccgttca cctgctattc ctacacgaaa caggatccaa taatcccaca ggaatcccat	240
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tactcctaatt cctgacccta ctagcactaa ccctattcac cccgaccta ctaggagatc	360
ccgacaacta tactccagca aatccactta acacccctgc acacatcaa ccagaatgat	420
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<210> 99

<211> 472

<212> DNA

<213> *Delphinapterus leucas*

<400> 99

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caacactaac acgcttccact ttatcctccc attcatcatt acagcgctag	180
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tactactaat cctaacccta ttaacagtaa ccctattcac acctgacctc ctaggagacc	360
cagacaatttta cacccctgca aacccactaa acaccccccgc acacatcaa ccagaatggt	420
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<210> 100

<211> 472

<212> DNA

<213> *Monodon monoceros*

<400> 100

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caacactaac acgcttccactt accttccact ttatcctccc attcatcatc acagcactag	180
tggccgttca cttattattc ctacacgaaa caggatccaa caaccccaca ggaatcccat	240
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tcctactaat cctaattcta ctagcaataa ccctactcac acctgacctc ctaggagacc	360
ctgacaatttta tacccctgca aacccactaa gcacccctgc acacatcaa ccagaatgat	420
atttcctatt tgcatacaca atccttacgat caatccccaa caaacttagga gg	472

<210> 101

<211> 472

<212> DNA

<213> *Platanista gangetica*

<400> 101

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tcccttataat cggcagtacc ctagtcgagt gaatctgagg tggctttcc gtagataaaag	120
caacactaac acgattcttt gccttcaact tcatacctccc tttcatcatc ctaacactag	180
caattatcca cctactattc ctacacgaaa caggctcaaa caacccacaca ggaattccat	240
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tcatcctaataat cctaaccctca ctcacattaa ccttattttac acctgaccta ctaggagacc	360
ccgataacta caccccagca aaccgcgtta ataccccagc acatatcaaa ccagagtgtat	420
atttcctatt tgcatcgtt atcttacggt caatccccaa taaacttagga gg	472

<210> 102

<211> 472

<212> DNA

<213> *Platanista minor*

<400> 102

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tcccttataat cggcagtacc ctagtcgagt gaatctgagg tggctttcc gtagataaaag	120
caacactaac acgattcttt gccttcaact tcatacctccc tttcatcatc ctaacactag	180
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ccgataacta caccccagca aaccgcgtta ataccccagc acatatcaaa ccagagtgtat	420
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<210> 103

<211> 472

<212> DNA

<213> *Kogia breviceps*

<400> 103

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ccacattaac acgcttcttt gccttcaact tcatacctccc ctttcatcatc ctagcactgg	180
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ccgacataga caaaaatccca ttccacccct actacacaat caaggacatc ttaggcgccc	300
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ctgacaacta caccggcactaa aacccactaa gcaccccgcc acacattaaa ccagaatgat	420
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<210> 104

<211> 472

<212> DNA

<213> *Kogia simus*

<400> 104

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tcccttacat cggcaccacc ctagtggaaat gagtctgagg tggcttctcc gtggacaaag	120
ctacgctaac acgcttcttt gctttccact ttattctccc cttcatcatac ctagcactag	180
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ccgacaacta taccccgagca aacccactaa gcaccccgcc acacattaaa ccagaatgat	420
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<210> 105

<211> 472

<212> DNA

<213> *Physeter catodon*

<400> 105

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caacactgac acgcttcttc actctccact tcatcctccc ctttatcacc ctaacactaa	180
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<210> 106

<211> 472

<212> DNA

<213> *Lipotes vexillifer*

<400> 106

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caacattaac ccgttcttc gctctccatt tcattcttcc atttatttattt gtagcactaa	180
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ctgataatta taccccgca aacccactaa acactccgc acacatcaaa ccagaatgat	420
atttccttcc cgcatcgtca attctacgtca aatcccaa taaatttagga gg	472

<210> 107

<211> 472

<212> DNA

<213> Phocoena sinus

<400> 107

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tactattttt tctaacttta ctaacactaa ctttattttt acctgacctt cttaggagacc	360
ccgataacta cattcccgca aacccactaa gcaccccgac acacattaaa ccagaatgat	420
atttccttcc cgcatcgtca atcctacgtca aatcccaa taaacttagga gg	472

<210> 108

<211> 472

<212> DNA

<213> Berardius bairdii

<400> 108

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ccacactaac acgttctttt gccttcact ttatcctccc ttatcattt ctaaccctag	180
cagccgtcca cttactattt ctccacgaaa caggatccaa caaccccaca ggaatcccat	240
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tactactaat cctagcccta ctcacgctaa cccttatttgc acccgaccta cttaggagac	360
ccgacaacta taccccgca aacccgctca gcaccccaac acatattaag ccagaatgat	420
atttcctgtt cgcatcgtca atcctacgtca cagtcctaa taaacttaggg gg	472

<210> 109

<211> 472

<212> DNA

<213> *Ziphius cavirostris*

<400> 109

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tcccctatat cggcactact ctatcgaat gaatctgagg tggttttca gtagataaag	120
ccacactaac acgcttcttt gccttcatt tcatccttcc atttatttatt ttagccctag	180
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ccgataacta tacccccagca aatccactca gcaccccccac acacattaag ccagaatgtat	420
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<210> 110

<211> 472

<212> DNA

<213> *Mesoplodon europaeus*

<400> 110

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tcccctatat tggcactact ctatcgaat gaatctgagg tggctttcc gtagataaag	120
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tactactaat tctagcccta ctgcactaa ccctattcgc acccgacctg cttaggagacc	360
ccgacaatata cacccccagca aacccactta atactccagc acacatcaaa ccagaatgtat	420
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<210> 111

<211> 472

<212> DNA

<213> *Mesoplodon bidens*

<400> 111

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tcccctacat cggcactacc ctatcgaat gaatctgagg tggctttcc gtagacaaag	120
ccacattaaac acgcttcttc gccttcact ttatcctccc atttatttatt ttagccctag	180
caatcgtcca cttactatcc ctccatgaaa caggatctaa caaccctaca ggaattccat	240
ccgacataga taaaattcca ttccacccctt actacacaat taaagatatc ctgggagccc	300
tactactaat tctaaacccta ctgcactaa ccctattcgc acctgacctg cttaggagacc	360
ccgacaacta tacccccagca aacccactca gcaccccccac ccacatcaaa ccagagtgg	420
atttcctatt cgcatatcgca atctacgat caattcccaa taaacttagga gg	472

<210> 112

<211> 472

<212> DNA

<213> *Mesoplodon densirostris*

<400> 112

taccatgagg acaaataatcc ttctgaggtg caactgtcat taccaatctt ctatccgcta	60
ttccctatat tggcaccacc ctagtcgagt gaatctgagg tggttttcc gtagacaaaag	120
ccacattaac acgttcttc gctttcaact tcacccccc ctttattatt ctggccctaa	180
caatggtcca cctactattc ctccatgaaa caggatctaa taaccctaca ggaatcccat	240
ctgacataga taaaattcca tttcacccctt attacacacaat caaagatatt ttaggagccc	300
tactattaat tctggcccta cttatactaa ccctatttgc acctgaccta cttaggagacc	360
ccgataatta tactccagca aaccactca acactccagc acacatcaaa ccagagtgg	420
attttctatt tgcatacgca atcctacgat caatccccaa caaatttagga gg	472

<210> 13

<211> 472

<212> DNA

<213> *Hyperoodon ampullatus*

<400> 113

taccctgagg acaaataatca ttctgaggcg caaccgtcat caccaatctc ctatccgcca	60
ttccctatat cggcactacc ctagttaat gaatctgagg tggttctcc gtagacaaaag	120
ccacattaac ccgccttttc gccctccact ttatccccc attcattatt ctggccctag	180
caatcgtcca cctactattc ctccatgaaa caggatccaa caatcccaca ggaattccat	240
ctgacataga caaaatcccg ttccacccat actacacaaat caaagacact cttagggccc	300
tattactaat cctagtccta ctcacattaa ccctattcgc acccgaccta cttaggagacc	360
ctgataacta tacccccagca aaccactca gcactccagc acacatcaaa ccagaatgt	420
acttcttatt tgcatacgca atcctacgat caatccctaa caaacttagga gg	472

<210> 114

<211> 472

<212> DNA

<213> *Hyperoodon ampullatus*

<400> 114

taccctgagg acaaataatca ttctgaggcg caaccgtcat caccaatctc ctatccgcca	60
ttccctatat cggcactacc ctagttaat gaatctgagg tggttctcc gtagacaaaag	120
ccacattaac ccgccttttc gccctccact ttatccccc attcattatt ctggccctag	180
caatcgtcca cctactattc ctccatgaaa caggatccaa caatcccaca ggaattccat	240
ctgacataga caaaatcccg ttccacccat actacacaaat caaagacact cttagggccc	300

tattactaat cctagtccta ctcacattaa ccctattcgc acccgaccta ctaggagacc	360
ctgataacta taccggcga aacccactca gcactccagc acacatcaaa ccagaatgg	420
acttcttatt tgcatacgca atcctacgtt caatccctaa caaacttagga gg	472

<210> 115

<211> 472

<212> DNA

<213> Mesoplodon peruvianus

<400> 115

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ctacattaac acgattttt gccttccact ttattctcc atttattatc ttagctctaa	180
caattgtcca tttactatc ctacacgaaa caggatctaa taatcccata ggaatcttt	240
ctgacataga caaaattcca tttcatcctt actatacaat taaagatatac ttaggagccc	300
tattataat tatagtccca cttataactaa ccctattgc acctgaccta ttaggagatc	360
ctgacaatata cactccagca aacccactta gcaccccccac acatattaaa ccagaatgt	420
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<210> 116

<211> 472

<212> DNA

<213> Pontoporia blainvilie

<400> 116

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caacactaacc gcgattcttc gctttccatt ttatccttcc attcatttattt acagccctag	180
ttatagtccca cctgcttattc ctacacgaaa ctggatccaa caacccaaca ggaatctcat	240
ctaacataga tgccatccca tttcacccctt actacacaat taaagatatac ttaggggccc	300
tattaataat cctaacaata ctcacgctga ctctatttac ccctgaccta ttaggagacc	360
cagacaacta tatcccagca aaccccatga atacccatga gcacattaaa ccagaatgg	420
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<210> 117

<211> 472

<212> DNA

<213> Hippopotamus amphibius

<400> 117

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ccacccttac acgattctt gccttccact ttattcttcc attcgttatc acagcactag	180
ccatcggtca tctactattc ctccatgaaa caggatccaa caacccaaca ggaatcccct	240
caaacgcaga caaaatccca ttccacccctt attacacaat caaggacatc ctaggttatcc	300
tacttctaat aacaacacta ctcacactaa ccttatttgc cccagacctc ctaggggacc	360
cagacaacta caccccccgc aacccctta gcacaccacc acacattaaa ccagaatgat	420
atttcctgtt cgctacgca attctccgat caatcccaa caaacttagga gg	472

<210> 118

<211> 472

<212> DNA

<213> *Hexaprotodon liberiensis*

<400> 118

taccatgagg acaaatatca ttctgagggg caacagtcat caccaactta ctatcagcta	60
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ccacccttac acgattctt gccttccact ttattcttcc attcatcatc atagcactag	180
ccgcccgtca cctactgtt ctccacgaaa cagggtccaa caacccaaca ggaatcccct	240
caaacgcaga caaaatccca ttccacccctt attacacaat caaagatatc ctgggcgtac	300
tacttctaat aacaatacta ctcacactaa ccttatttgc cccagacctc ctaggggacc	360
cagacaacta caccccccgc aacccctta gcacaccacc acacatcaaa ccagaatgat	420
atttcctgtt cgctacgca attctccgat caatccctaa caaactggga gg	472

<210> 119

<211> 472

<212> DNA

<213> *Rhinoceros sondaicus*

<400> 119

taccatgagg tcaaatatcc ttctgagggg ctacagtcat tacaaatctc ctctcagcc	60
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ctacccttac ccgattctt gccttccact tcatccttcc ctttattatc ctagctctag	180
cgatcaccca cttactattc ctacacgaaa caggatccaa taacccatca ggaattccat	240
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tgcttctaat tatagtatta ctcacccctag tcctattctc ccctgacatc ctaggggacc	360
cagacaacta catcccgagcc aaccctctca gcacccctcc acatatcaaa ccagaatggt	420
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<210> 120

<211> 472

<212> DNA

<213> *Ceratotherium simum*

<400> 120

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ccacacttac acgattttc gccttcaact ttatcctccc ctttattatc atagccctag	180
caatcaccca cctactattc cttcacgaaa caggatccaa taaccatca ggaatcccat	240
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tactcctaatt cctagcaacta ctgccttag ttctattctc accagacatc cttaggagacc	360
ctgacaacta cacccctgcc aatcctctca gcactcccccc acatatcaaa ccagaatgat	420
actttctatt tgcttacgca atcctacgat ccattccctaa caaacttaggc gg	472

<210> 121

<211> 472

<212> DNA

<213> *Dicerorhinus sumatrensis*

<400> 121

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tcccatacat cggcaccgac cttgtagaat gaatctgagg gggatttctcc gtagacaaag	120
ccaccctcac ccggttcttt gccttccact tcattctccc cttcatcatc cttagccctag	180
caattaccca cctgcttattc ctacatgaaa caggatccaa caaccatca ggaatcccat	240
ctaacataga caaaatccca ttccacccat actatacaat caaagacatc cttaggagccc	300
tacttcttaat cctagcccta ctcaccctag ttctattctc gcctgacctc cttaggagacc	360
cggacaacta cacacccggcc aaccctctca gcaccctcc acacattaaa ccagaatggt	420
acttcctatt cgcttacgca atcctacgat ccattccctaa taaacttaggc gg	472

<210> 122

<211> 472

<212> DNA

<213> *Equus asinus*

<400> 122

taccatgagg acaaataatcc ttctgaggag caacggtcata cacaaacctc ctatcagcaa	60
tcccctacat cggtaactacg ctcgtogaat gaatctgagg tggatttctca gtagacaaag	120
ccacccttac ccgatttttt gccttcaact ttatttctacc ctttatcatc acagccctgg	180
taatcgttca tctactattc ctccacgaaa caggatccaa caaccctca ggaatcccat	240
ctgacataga caaaatccca ttccacccgt actacacaat taaagacatc cttaggacttc	300
tcctcctagt cctactccata ctaaccctag tattattctc ccctgacctc cttaggagacc	360
cagacaacta cacccctccat aaccctctca gcactcccccc tcataattaa ccagaatggt	420
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<210> 123

<211> 472

<212> DNA

<213> Babyroura babyrussa

<400> 123

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caaccctcac acgattctt gcttcact ttattctacc cttcatcatt accgctctcg	180
caaccgtaca tctattattc cttcacgaaa ctggatccaa taaccctact ggaatttcat	240
cagatataga caaaatccc ttccacccct actataccat taaagacatt cttaggagccc	300
tactcataat tatagtctt ctaatctag tactattctc accagatcta cttaggagacc	360
cggacaacta tactccagca aaccctactaa atacaccacc ccacatcaa ccagaatgtat	420
acttcctatt tgcctacgct atcctacgct caatccccaa caaatttaggc gg	472

<210> 124

<211> 472

<212> DNA

<213> Phacochoerus africanus

<400> 124

taccctgagg acaaatatcg ttctgaggagg ccacagtcat cacaaccta ctatcagcca	60
tcccctacat tggaaacaaat ctctagaat gaatctgagg aggtttctcc gtcgacaaag	120
caactctcac acgattctt gccttcact tcattttacc ttttattcatt gtcgacaaag	180
caaccgtaca tctctgttc ctacacgaaa ctggatctaa caaccctact ggaatctcat	240
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tattcataat actaatcctg ctaatctag tattattctc cccagaccta cttaggagacc	360
cagacaacta taccctcagca aaccctactaa acacaccacc ccacatcaa ccagaatgtat	420
acttcctatt cgcctacgct atcctacgct caatccctaa taaatttaggt gg	472

<210> 125

<211> 472

<212> DNA

<213> Sus scrofa haplotype EWB3

<400> 125

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caaccctcac acgattctt gccttcact ttatcctcc attcatcatt accgcccctcg	180
cagccgtaca tctctattc ctgcacgaaa ccggatccaa taaccctacc ggaatctcat	240
cagacatataga caaaattcca ttccacccat actacactat taaagacatt cttaggagcc	300
tatttataat actaatccta ctaatcctg tactattctc accagaccta cttaggagacc	360
cagacaacta caccctcagca aaccctactaa acacaccacc ccatattaaa ccagaatgtat	420

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472

<210> 126

<211> 472

<212> DNA

<213> Sus barbatus

<400> 126

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caacccttac acgattttc gccttcaact ttatcctgcc ctgcgtcatt accggccctcg	180
cagccgtaca tctccttattc ctacacgaaa ccggatccaa taacccacc ggaatttcat	240
cagacataga caaaaattcca tttcaccat actacactat caaagacatt cttaggagcct	300
tatttataat actaattccta ctaatcttag tactattctc accagaccta cttaggagacc	360
cagacaacta caccccagca aacccactaa acacccacc ccatattaaa ccagaatgat	420
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<210> 127

<211> 472

<212> DNA

<213> Lama glama

<400> 127

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ccacccttac acgattttc gccttccact ttatctacc ttttgcatt gcagctctag	180
caggagtaca tctactattt ttacacgaaa caggctccaa caatccaaca ggaatttctt	240
cggatataca caaaaatcccc ttccatccct actatacaat taaagacatt cttaggagcac	300
tactacttat tctaacccta cttctactcg tactattctc accagaccta cttaggagacc	360
ccgacaacta tactcccgct aacccctca acacaccgccc ccatattaaa ccagaatgat	420
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<210> 128

<211> 472

<212> DNA

<213> lama guanicoe

<400> 128

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ttccatatgt tggcacaaca ctagtcaat gaatttgagg ggggttctcc gtagataaag	120

ccacccttac	rcgattcttc	gccttcact	ttatcttacc	ttttgtcatt	gcagctctag	180
caggagtgca	tctactattt	ttacacgaaa	caggctccaa	caatccaaca	gaaatttctt	240
cggatataga	caaaatcccc	ttccatccct	actatacaat	taaagacatt	ctaggagtagc	300
tactacttat	tctgacccta	cttctactcg	tactattctc	accagaccta	ctaggagacc	360
ccgacaacta	tactcccgct	aacccctca	acacaccgccc	tcatattaaa	ccagaatgtat	420
acttcctatt	tgcatatgcc	atcctacgat	ccatccccaa	caaatttaggc	gg	472

<210> 129

<211> 472

<212> DNA

<213> *Vicugna vicugna*

<400> 129

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ccacccttaa	ccgattcttc	gccttcact	ttatcttacc	tttcatcatt	gcagctctag	180
cgggagtaca	tctactattt	ttacacgaaa	caggctccaa	caacccaaca	gaaatttctt	240
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tactacttat	tctgattcta	ctcctactcg	tactattctc	accagactta	ctaggagacc	360
ccgacaacta	taccccgct	aacccctta	acacaccacc	ccacattaaa	ccagaatgtat	420
atttcctatt	tgcatatgct	attctacgat	cgatccccaa	taaatttaggc	gg	472

<210> 130

<211> 472

<212> DNA

<213> *Camelus bactrianus*

<400> 130

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ccaccctcac	acgattcttt	gccttcact	tcatcctgccc	atttattatc	acggccctag	180
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tgctactaat	attaattctc	cttattctcg	tactgttctc	accagactta	ttaggagatc	360
ctgacaacta	taccccgct	aacccctca	atacaccacc	acacattaag	ccgaaatgtat	420
atttcctatt	cgcatacgct	atcctacgat	ccatccccaa	caaattggga	gg	472

<210> 131

<211> 472

<212> DNA

<213> *Arctocephalus forsteri*

<400> 131

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caaccctaac acgattttc gccttcaact tattctccc ttctgtagca tcagcactag	180
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tcctactaat cttgattcta atattactag taatattttc accagatctg ctgggagacc	360
cagacaacta caccggc aacccctca gactccacc acatattaaa cctgaatgtat	420
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<210> 132

<211> 472

<212> DNA

<213> *Arctocephalus gazella*

<400> 132

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caaccctaac acgattttc gccttcaact tattctccc ttctgtagta tcagcactag	180
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cagacaacta catccggc aacccctca gactccacc acatatcaaa cctgaatgtat	420
atttctatt cgcttacgccc atttacgat ctatccccaa caaactagga gg	472

<210> 133

<211> 472

<212> DNA

<213> *Eumetopias jubatus*

<400> 133

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caaccctaac acgattttc gccttcaact tattctccc ttctgtagca tcagcactag	180
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cagacaacta catccggc aacccctca gactccacc acatatcaaa cccgaatgtat	420
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<210> 134

<211> 472

<212> DNA

<213> *Zalophus californianus*

<400> 134

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caaccctaac acgattctt gccttccact ttattctccc cttcatagca tcagcactag	180
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tcctactaat cttaacccta atactactag taatatttc accggacctg ctgggagacc	360
cagacaacta tattccagcc aaccctctca gcactccacc acatattaaa cctgagtgtat	420
atttcctatt cgccatgtat attttacgat ccattcccaa caaatttaggg gg	472

<210> 135

<211> 472

<212> DNA

<213> *Odobenus rosmarus*

<400> 135

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caaccctaac acgattcctc gccttccact tcgttcttc attcatggca ttagcactaa	180
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cggacaattta caccctcagcc aaccctctca gcaccccccacc ccataatcaaa cccgaatgtat	420
atttcctatt cgccatgtat atccctccgat ctattcccaa caaactcggg gg	472

<210> 136

<211> 472

<212> DNA

<213> *Phoca vitulina*

<400> 136

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tcccttatgt cggaaccgac ctgtacaat gaatctgagg agggttttca gtagataaaag	120
caaccctaac acgattcttc gccttccact tcattctcgcc attcgtagta tcagccctag	180
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ccaaactcaga caaaatccca ttccacccgt actatacaat taaagatatac cttagggccc	300
tacttctcat tcttagtctcg acactactag tgcttattctc acccgacctg tttaggagacc	360
ccgacaacta tatccctcgcc aatccctaa gcaccccccacc acatatcaaa cctgaatgtat	420
atttcctatt tgccatgtat atccctccgat ccattcccaa caaactcggt gg	472

<210> 137

<211> 472

<212> DNA

<213> *Phoca fasciata*

<400> 137

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tccctatat cgaaaccgac ctgtacaat gaatctgagg aggatttca gttgataaag	120
caaccctaac acgattttc gccttccact ttatcctacc attttagtgc ttagcactag	180
cggcagttca cctactattc ctacacgaaa caggatccaa caaccctcc ggaatcgat	240
ccgactcaga caaaatccca ttccacccat actatacaat taaagatatac ttaggagccc	300
tactcctcat cctagtccata atactactag tactattctc acccgaccta cttaggagacc	360
ccgacaacta caccctgccc aacccctaa gcacccacc acatatacg cccgaatgtat	420
actttctatt tgcctacgca atcctacgat caatccccaa caaacttagga gg	472

<210> 138

<211> 472

<212> DNA

<213> *Phoca groenlandica*

<400> 138

taccatgagg gcaaatgtca ttctgaggag caacagttat cactaatcta ctatcagcaa	60
tccctacat cgaaaccgat ctgtacaat gaatctgagg agggttctca gttgataaag	120
caaccctaac acgattttc gccttccact tcatacctacc attcgttagtgc ttagcactag	180
cggcagttca tctactattc ttacacgaaa caggatccaa caacccacc ggaatcgat	240
ccgactcaga caaaatcccg ctccacccat attatacaat taaagatatac ttaggagccc	300
tactcctcat cctggtcctt atactactag tactgttctc acccgaccta ctggggagacc	360
ccgacaacta catccctgccc aatccctaa gtacccacc acatatacg cccgaatgtat	420
actttttatt tgcctacgca atcctacgat caatccccaa caaacttagga gg	472

<210> 139

<211> 472

<212> DNA

<213> *Cystophora cristata*

<400> 139

taccgtgagg acaaatatca ttttgaggag cgacagtcat caccaaccta ctatcagcaa	60
tccctacat cggagccgat ctgtagaat gaatctgagg gggatttca gtcgataaag	120
caactctaac acggttttc gccttccact tcatacctacc attcgtcgta ttagcactag	180
caacagtccca cctactattc ctacacgaaa caggatctaa taatccctcc ggaatcacat	240

ccgactcaga caaaaatccca ttccacccat actatacaat taaagacatc ctaggagccc	300
tactcctcat cctagttcta acactactag tgctattctc acccgatctg ctaggagacc	360
ccgacaacta tacccttgcc aacccctaa gtacccacc acatattaaa cctgaatgat	420
acttcctatt cgctatgca atcctacgat ctatcccaa caaactagga gg	472

<210> 140

<211> 472

<212> DNA

<213> *Hydrurga leptonyx*

<400> 140

tgccatgagg acaaataatca ttttgaggag caaccgttat taccaactta ctatcagcaa	60
ttccctacat cggaaccgac ctagtacaat gaatttgagg cggtttca gtcgacaaag	120
caaccctaac acgattcttc gccttccact ttatccttcc ctgcgttagta tcagcactag	180
cagcagtaca tctactattc ttacacgaaa caggatccaa taaccctcc ggaattccat	240
ccaactcaga caaaaatccca ttccacccct actacacaat caaagacatc ctaggagccc	300
tattcctcat tctaacccta atactactag tattattctc acccgaccta ctaggagacc	360
ccgacaacta tattcctgct aacccctaa gcacccacc acatatcaaa cccgaatgat	420
atttcctatt tgctatgca atcctacgat ccattcccaa taaactagga gg	472

<210> 141

<211> 472

<212> DNA

<213> *Leptonychotes weddelli*

<400> 141

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ttccctacat cggaactgac ttagtacaat gaatctgagg cggtttca gttgacaaag	120
caaccctaac acgattcttc gccttccact ttatccttcc ctgcgttagta tcagcactag	180
cagcagtaca tctactattc ttacacgaga caggatccaa caaccctcc ggaattccat	240
ctgactcaga caaaaatccca ttccacccct actacacaat caaagacatc ctaggagccc	300
tactcctcat tctaacccta atattactag tattattctc acccgaccta ctaggagatc	360
ccgacaacta tactcccgct aatccctaa gtactccacc acatatcaaa cccgaatgat	420
atttcctatt tgctatgca atcctacgat ccattcccaa caaactagga gg	472

<210> 142

<211> 472

<212> DNA

<213> *Mirounga leonina*

<400> 142

tgccatgagg acaaatatca ttttgaggag caaccgtcat taccaaccta ctatcagcag	60
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caaccctaac acgattttc gccctccact ttatcctacc attcttagca ctagcactag	180
cagcagtaca tctactattc ctacacgaaa caggatccaa caaccctct ggaatccc	240
ccgactcaga caaaatccca ttccacccat actacacaat caaagatatac ttaggagccc	300
tacttcttat tctaaacccta atactattag ttttattctc acccgactta ttaggagacc	360
ccgacaacta caccctgaa aatcccataa gcaccccacc acatattaaa cccgaatgat	420
atccctatt tgccctacgca atccctacgat ctatcccaa caaacttagga gg	472

<210> 143

<211> 472

<212> DNA

<213> *Erignathus barbatus*

<400> 143

taccatgagg gcaaatatca ttttggggg caaccgttat caccaaccta ctatcagcaa	60
tcccctacat cggaactgat ctagtacaat gaatctgagg aggatttca gttgacaaag	120
caaccctaac acgattttc gccttcact ttatcctacc attttagta ttagcattag	180
cagcagtcca ctttattttc ctacacgaaa caggatccaa caaccctct ggaatctcg	240
ccgactcaga taaaatttcca ttccacccat actatacagt caaggacatc ttagggcct	300
tacttcttaat ccttagttttt atactttag ttttattctc acccgaccta ctggggatc	360
ccgacaacta cactcccgctt aacccctaa gcaccccacc acatattaaag cccgaatgat	420
atccctatt cgccctatgca atccctacgat ccatcccaa caaacttggaa gg	472

<210> 144

<211> 472

<212> DNA

<213> *Monachus schauinslandi*

<400> 144

taccatgagg acaaatatcc ttctgagggg cgaccgtcat caccaaccta ctatcagcaa	60
tcccctacat cggaaccgat ctagtacaat gaatctgagg cgggttctca gtagataaaag	120
caaccctaac acgattttc gctttccatt ttattatacc cttcatagta ttagcactag	180
cagcagtcca ttttattttt ctacacgaaa caggatccaa caatccctcc ggaattccat	240
ccaaactcaga caaaatccca ttccacccat actatacaat taaagacatt ctaggagctt	300
tactccttat ccttaattcttta atactactag tactattctc acccgactta ctggggatc	360
ctgacaacta caccctgaa aacccctaa acactccacc acacattaaa cccgaatgat	420
atccctatt cgccctatgca atccctacgat ctatcccaa taaacttagga gg	472

<210> 145

<211> 472

<212> DNA

<213> *Helarctos malayanus*

<400> 145

taccctgagg ccaaatagtcc ttctgaggag caactgtcat taccaatctc ttatcagcca	60
tcccctataat tggaacggac ctagtagaat gagtctgagg aggctttcc gtagacaagg	120
cgactctaac acgattctt gccttccact ttatccttcc gttcatcatc ttggcactaa	180
cagcggtcca cctattattc ctacacgaaa cagggtccaa caatccctct ggaatcccat	240
ctgactcaga caaaatccca tttcacccgt actatacaat taaggacatc ctaggcgccc	300
tacttcttac cctagcccta acaaccctag ttctattctc gcccgactta cttaggagacc	360
ctgacaacta catccccgca aatccattga gcacccacc ccacatcaaa cccgaatggt	420
actttctatt tgcttacgct atcctacgat ccattccctaa taaaacttagga gg	472

<210> 146

<211> 472

<212> DNA

<213> *Selenarctos thibetanus*

<400> 146

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tcccctataat tggaacagac ctagtagaat gaatctgagg gggctttct gtagataaag	120
caaccctaac acgattctt gcttccact ttatccttcc gttcatcatc cttagcactag	180
cagcagttca tctattgttc ctacacgaaa cagggatccaa caaccctct ggaatcccat	240
ccaactcgga caaaatccca tttcacccat actatacaat taaaagacgcc ctaggcgccc	300
tacttctcat cctagccta gcaactctag ttctattctc gcccgactta cttaggagacc	360
ctgataacta tacccccgc aacccactga gcacccacc ccacatcaaa cccgaatgat	420
actttttatt tgcttacgct atcctacgat ccattcccaa caaacttagga gg	472

<210> 147

<211> 472

<212> DNA

<213> *Ailurus fulgens*

<400> 147

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ttcccctataat tggaactaac ctgttagagt gaatctgagg aggtttctca gtcgacaaaag	120
caactctaac tcgattctt gccttccact tcattcttcc atttatacatt gcaacactag	180
caactatcca tctcttattc ctacatgaaa cagggatctaa taaccctca ggcacccat	240
ccaactcaga caaaattcca ttccatccct attatacaat taaaagatatc ttgggcgcctc	300
tactccttat cctaattctc atgacattag tactattctt acctgacttg cttgggtgatc	360
ctgataacta tattcccgct aacccattaa gcacaccacc ccattttaaa cctgagtgt	420
atttcctatt cgcatatgca attctacgat ccattcccaa caaacttagga gg	472

<210> 148

<211> 472

<212> DNA

<213> *Felis catus*

<400> 148

taccatgagg ccaaatagtcc ttctgaggag caaccgtaat cactaacctc ctgtcagcaa	60
ttccatacat cgggactgaa ctagtagaat gaatctgagg ggggttctca gtagacaaaag	120
ccaccctaac acgattcttt ggcttccact tcattctcc attcattatc tcagccttag	180
caggagtaca cctcttattc cttcatgaaa caggatctaa caaccctca gaaattacat	240
ccgattcaga caaaatccca ttccacccat actatacaat caaagacatc cttagtcttc	300
tagtactagt ttaaacactc atactactcg tcctattttc accagacctg cttaggagacc	360
cagacaacta catcccagcc aaccctttaa ataccctcc ccatattaaa cctgaatgat	420
acttcctatt cgcatatcgca attctccgat ccattcctaa caaacttaggg gg	472

<210> 149

<211> 472

<212> DNA

<213> *Canis familiaris*

<400> 149

taccatgagg acaaataatca ttttgaggag caactgtaat cactaatctt ctctctgcga	60
tcccttatat cggaactgac ttagtagaat ggatctgagg cggcttctca gtggacaaaag	120
caaccctaac acgattcttt gcattccatt tcattctcc tttcatcatc gcagctctag	180
caatagtaca cctccttattt ctacacgaaa cggatccaa caaccctca gaaatcacat	240
cagactcaga caaaattcca tttcaccctt actacacaat caaggatatc cttaggagct	300
tactcctact cctaataccta atatcactag ttttattttc acctgaccta tttaggagacc	360
cagataacta caccctgca aaccctttaa acaccctcc acatattaaa cctgagtgtat	420
attttctatt cgccatgtct atcctacgat ccattcctaa taaatttagga gg	472

<210> 150

<211> 472

<212> DNA

<213> *Talpa europaea*

<400> 150

taccatgggg tcaaataatcc ttttgagggtg caacggtaat tacaattta ctgtcagcc	60
ttccttacat cggtacagac ttagtagaat gaatttgagg tgggttctca gtagacaaaag	120
cgacactcac acgattcttc gccttccact tcattctgcg atttatttgcggcactag	180
ctggagttca cctgttattt cttcacgaaa caggatcaaa caaccatca ggactctcat	240
cagatacggta taaaattcca tttcaccctt attacactat taaagacatc cttaggagcac	300
taatcctaat tatagtctca tcattcattag tatttttc acctgaccta cttaggagacc	360
cagacaatttta catcccgca aaccggctaa acacaccacc ccattttaaa cccgaatgg	420

acttcctatt tgcatatgcc atcctacgat caattcctaa taaatttagga gg 472  
 <210> 151  
 <211> 472  
 <212> DNA  
 <213> *Glaucomys sabrinus*  
 <400> 151

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 ttccttatat tggacaaca cttgtagaat gaatctgagg aggcttctct gtcgacaaag 120  
 ctaccctaac ccgattttt gcatttcatt ttgtcctccc ttttatttatt gctgccctag 180  
 ccataatcca tctactctt ttacacgaaa caggatccaa taaccatca ggactaatct 240  
 ctgactcaga taaaatccc ttccaccctt atttctcaat taaagacacc ctaggattct 300  
 taatcctcat cttaatctt ataaccctag ttctcttcac ccctgatctt ctaggagacc 360  
 cagacaacta taccctcagcc aaccctactca acaccctcc ccacatcaaa ccagaatgt 420  
 actttctatt tgcatatgca attctacgat ctatccaaa taaaacttagga gg 472

<210> 152  
 <211> 472  
 <212> DNA  
 <213> *Glaucomys volans*  
 <400> 152

taccctgagg acaaataatcc ttctgaggag ctactgtcat caccaacctt ctctcagcta 60  
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 ctaccctaac ccgattttt gcatttcact tcattttcc ttttatttatt gccgctctag 180  
 ccataatcca tctactctt ctacacgaaa caggatccaa taaccatca ggactaatct 240  
 ctgactcaga caaaatccc ttccaccctt acttctcaat taaagataacc ctaggattct 300  
 taatccttat cttaatctt ataaccctag ttctcttcac cccggatctt ctaggagacc 360  
 cagacaacta tactccagcc aaccctactca acggccctcc ccacatcaag ccagagtgt 420  
 actttctatt tgctatgca attctacgat ctatccaaa taaaacttagga gg 472

<210> 153  
 <211> 472  
 <212> DNA  
 <213> *Hylopetes phayrei*  
 <400> 153

taccatgagg acaaataatcc ttctgagggg ctaccgttat tacaaaccta ctatctgcc 60  
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 ctaccctaac ccgatttttc gcattccact ttgtgctgcc ctttatttatt gcagcactag 180

ctataattca ccttctcttt ctacacgaaa caggatcaaa taacccatca ggcctaattt	240
ccgattcaga caaaaatccca tttcacccat actattcaat taaagatctc ctaggcgc	300
ttattcttct cctaattttt ataaacttag tactatttc ccccgatctt ttaggagacc	360
ctgacaacta caccggcc aacccactta acacccctcc tcataaaaa ccagaatgat	420
actttctatt cgcatcgcgca atcctacgat ctatcccaa taaatttagga gg	472

<210> 154

<211> 472

<212> DNA

<213> *Petinomys setosus*

<400> 154

taccatgagg acaaataatcc ttctgagggg ctaccgttat tacaaccta ctatctgcca	60
tcccctataat tggaacagtc cttgtcgaat gaatttgggg gggattttcc gtagataagg	120
ctaccctaac ccgattcttc gcattccact ttgtgctgcc ctttatttatt gccggcactgg	180
ctataatccca ctttctcttt ctacacgaaa cagggtcaaa taatccatca ggtctaattt	240
cggattcaga caaattccca tttcacccat actattcaat taaagatctc ctaggggccc	300
ttattcttct cctaattttt ataaacttag tactatttc ccccgatctt ttaggagacc	360
ctgacaacta caccggcc aacccactta acacccctcc tcataaaaa ccagaatgat	420
actttctatt cgcatcgcgca atcctacgat ctatcccaa taaatttagga gg	472

<210> 155

<211> 472

<212> DNA

<213> *Belomys pearsonii*

<400> 155

taccatgagg acaaataatct ttctgaggag ccactgtcat cacaacctc ctttcagcta	60
tcccttataat tggaactgat ctagtagagt gaatctgagg ggggtttca gttgacaagg	120
caaccctaac acgattcttc gcattccact ttatcttacc atttacgtt gcaagcccttg	180
caatagtcca ctttcttttc ctccacgaaa ttgggtcaaa taatcccccc ggattaaattt	240
ctgaatctga taaagtacca ttccacccat acttcacaat caaagatatt cttggcgc	300
taatcttcgg ctttatattt acaaccccta ttcttattcgc ccctgatctc ctaggagacc	360
ctgacaacta tactccggcc aatccactta acacccctcc ccacataaaa ccagaatgat	420
actttctaat ttattacgca atccttcgat ccatcccaa caaacttagga gg	472

<210> 156

<211> 472

<212> DNA

<213> *Pteromys momonga*

<400> 156

taccctgagg acaaatatca ttctgaggcg ccactgtcat caccaacctg ctatccgcca	60
tcccttatat cggcaccaac cttgttgaat ggatctgagg tggtttctca gttgataaag	120
ctaccctaac acgattctt gcattccact ttgcctccc cttcattatc gcagccctag	180
caatagttca cctactttc cttcatgaaa cagggtccaa caacccatct ggacttacct	240
ccgaatccga caaaatccca ttccacccct acttcacaat taaagacatt ttaggagcac	300
ttctccttgg cctcttattc ataatcttag tcctcttac tccagacctc cttggagacc	360
ccgacaacta taccctcagcc aacccctca acactcccc tcataatcaaa ccagagtgtat	420
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<210> 157

<211> 472

<212> DNA

<213> Galagoides demidoff

<400> 157

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tcccatatat agggcctact ctagtagaat gaatctgagg ggggtttcg gtagacaaag	120
ctacccttac ccgattctt gcttccact ttatcctccc atttattatc acagcaataag	180
tcataatcca cctccttattc cttcacgaaa caggatcaaa caacccctca ggacttccat	240
cagactcaga caaaatcccc ttccacccct attacataat caaggatctc ctaggactga	300
ttattcttactaactctg ttctccctag taatattctc cccggacctg cttaggagacc	360
ctgacaacta caccctcagcc aacccctaa acacccccc acatataaaa ccagagtgtat	420
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<210> 158

<211> 472

<212> DNA

<213> Perodicticus potto

<400> 158

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tcccatatgt aggtacaacc ctggtagaat gaatttgagg gggattctca gtagacaaag	120
ctaccctaac acgattcttgccttccact tcattctccc ctttattatc acagcactag	180
ccacaactca cctcattttt cttcacgaaa caggatcaaa taacccagca ggaattccat	240
cagaatcaga caaaatcccc ttccacccct actacaccac caaagactta ctaggagcca	300
tctttcttactaattcttca ctcacccctag tcattattctc cccagaccta ttaggagacc	360
ctgacaacta caccctcagcc aacccctaa acacccccc acatataaaa ccagaatgggt	420
atttcctatt cgcctacgccc atcttacgat ccataccaaa caaactggga gg	472

<210> 159

<211> 472

<212> DNA

<213> Galago matschiei

<400> 159

tcccatgagg acaaataatca ttctgaggcg ctaccgtaat cacaatctc ctctccgcaa	60
ttccttacat gggtaacggc ctagtagaat gaatctgagg gggatttca gtagacaaag	120
ccacccttac tcgattctc gctttcaact tcacatcctacc tttcatttgcagccctag	180
ccataattca ctttctttc ctacatgaaa caggatcaaa caacccttca ggaatctcat	240
cagactccga caaaatccca ttccacccct actacacaat taaagaccta ctaggagtaa	300
tcttcttact actatgccta ttctctctag tactatttc ccccgatctg ttaggagacc	360
cagacaattt taccggct aatcccttaa acacccacc acacatcaaa ccagaatgtat	420
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<210> 160

<211> 472

<212> DNA

<213> Galago moholi

<400> 160

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ttccctatag aggaactggc ctagtagaat gaatctgagg agggtttca gtagacaaag	120
ctactcttac ccgatttttc gctttcaact tcacatcctgcc tttcatcattc gcggccctag	180
ccataattca ttttctttt ttacatgaaa cagggtcaaa taacccttgc ggaatctcat	240
cagactccga caaaatcccc ttccacccct actacacaat taaagaccta ctaggagcaa	300
tcctcttact attatcccta ttctctctag tactattctc ccctgacctg ctgggagacc	360
cagacaatta tatccctgcc aaccccttaa acacccacc acatattaaa ccagaatgtat	420
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<210> 161

<211> 472

<212> DNA

<213> Otolemur garnettii

<400> 161

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ttccctacat aggaactaac ctagtagagt gaatctgagg gggatttca gtagacaaag	120
caaccctcac ccggttttttt gctttcaact ttatcctgcc tttcatcattc gcagccctag	180
tcataatcca ctttctttc ctccacgaat caggatcaaa caacccttca ggaatcccat	240
cagactctga caaaatcccc ttccacccctt attacacaat taaagacctt ctagggctt	300
tcctcctctt tctaacccta ttctccctag tcctattctc ccccgacctt ctaggagacc	360
cagacaacta cacccttgc aaccccttaa acacaccgccc ccataatcaaa cccgaatgtat	420
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<210> 162  
 <211> 472  
 <212> DNA  
 <213> *Loris tardigradus*  
 <400> 162

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caaccctcac acgatttttc gccttcaact tcatccttcc attcatcata acagcattaa	180
ctgcaattca cctacttttcc tCACACGAAT CAGGATCAAAT TAACCCATCC GGAATAACAT	240
cagactctga caaaatccca tttcacccctt actacacatt aaaagatatt ctaggagtaa	300
ttgctctttt aatcacctt tcaactcttag ttctattctc ccctgacctt ttaggagacc	360
ccgataatata cacaccagct aaccctttaa acaccccccacc ccacatcaaa ccagaatggt	420
atttcctatt cgcatatcgca atcctacgat caatccccaa taaaacttaggt gg	472

<210> 163  
 <211> 472  
 <212> DNA  
 <213> *Nycticebus coucang*  
 <400> 163

tcccatgagg acaaataatca ttctgagggtg ccaccgtcat cactaaccta ctatcgccaa	60
tcccttatat tggcacaaac ctatgtaat gggcttctgagg aggcttctca gtagataaaag	120
ccacactcac acgatttttc gccttcaact ttatcctccc ttcatcgat gctgctctag	180
ttgtgattca cctcatctt ctacatgaaa caggctcaaataatccatca ggaatctcat	240
cagactcaga taagattcca tttcacccctt actactact taaagacctc ctaggagttgg	300
ttttcctatt agcaacccta tctattcttag tcttattctc ccctgacctc ctaggagacc	360
ccgacaacta taccggcc aacccttag tcaaccctcc acatatcaaa ccagaatgat	420
attttctatt cgcttacgat caatccccaa caaacttagga gg	472

<210> 164  
 <211> 472  
 <212> DNA  
 <213> *Mus musculus*  
 <400> 164

ttccatgagg acaaataatca ttctgagggtg ccacagttat tacaaaccta ctatcagcca	60
tcccatatat tggacaacc ctatgtaat gaatttgagg gggcttctca gtagacaaag	120
ccaccttgcac ccgatttttc gcttccact tcatcttacc atttattatc gggcccttag	180
caatcgatca ctccttcc tcccacgaaa caggatcaaataatccatca ggttataact	240
cagatgcaga taaaattcca tttcacccctt actatacaat caaagatatac ctaggtatcc	300

taatcatatt cttaattctc ataaccctag tattatTTT cccagacata ctaggagacc	360
cagacaacta cataccagct aatccactaa acacccCacc ccatattaaa cccgaatgat	420
atTCCTatt tgcatACGCC attctacgct caatccccaa taaacttagga gg	472

<210> 165

<211> 472

<212> DNA

<213> Gorilla gorilla

<400> 165

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ctacccttac acgattctt accttccact ttatcctacc cttcatcatc acagccctaa	180
caaccctcca tctcttattt ctacacgaaa caggatcaaa caaccctcta ggcatcccct	240
cccactctga caaaatcacc ttccacccct actacacaat caaagacatc cttaggcctat	300
tcctctttct cctgaccttataacattaa cactattctc accagacctc cttaggagacc	360
cagacaacta caccttagcc aaccccttaa gcacccCacc ccacatcaaa cccgaatgat	420
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<210> 166

<211> 472

<212> DNA

<213> Homo sapiens sapiens

<400> 166

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tcccatacat tggacagac ctatccaat gaatctgagg aggctactca gtagacagtc	120
ccaccctcac acgattctt accttccact tcatacttgc cttcattatt gcagccctag	180
caacactcca cctcttattt ttgcacgaaa cgggatcaaa caacccctta ggaatcacct	240
cccattccga taaaatcacc ttccacccctt actacacaat caaagacgccc ctggccttac	300
ttctcttctt tctctcctta atgacattaa cactattctc accagacctc cttaggcgacc	360
cagacaattt tacccttagcc aaccccttaa acacccctcc ccacatcaag cccgaatgat	420
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<210> 167

<211> 472

<212> DNA

<213> Dugong dugong

<400> 167

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ccaccctcac ccgatttttc gccttacact tcacccctacc cttcatcgta accggccctag	180
taatagtcca cttactattc ctccacgaaa caggctccaa caacccacg ggactgatct	240
ccgactcaga caaaatccc ttccacccat attattcagt caaagacctc cttaggcctat	300
tcctcctcat tctagtctta ctcctactaa ccctgttctc cccggacata ctgggagacc	360
cagacaacta cacaccagcc aacccactaa acacccctcc ccacattaaa ccagaatgat	420
actttctatt ccgatacgct atccctcgat ctatccctaa taaactaggc gg	472

<210> 168

<211> 472

<212> DNA

<213> *Elephas maximus*

<400> 168

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caaccttaaa ccgatttttc gccttccatt tcacccctcc atttactata gttgcactag	180
caggagtgca cctaaccttt ctacacgaaa caggctcaaa caacccacta ggtctcactt	240
cagactcaga caaaattccc ttccacccgt actatactat caaagacttc cttagggctac	300
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ctgacaacta cataccagct gatccactaa atactcccct acacatcaaa ccagagtgat	420
acttccttt tgcttacgccc attctacgat ctgtaccaaa caaactagga gg	472

<210> 169

<211> 472

<212> DNA

<213> *Afropavo congensis*

<400> 169

tcccatgagg ccaaataatca ttctgagggg caactgtcat cacaacaccta tactcagcaa	60
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caaccctcac ccgatttttc gccttacact ttccctccccc ttctctaatt gcggaaat	180
caattatcca ctcacatcc ttccatgaat caggctcaaa caacccactg ggcacatctcat	240
ccaattcaga taaaatccc ttccacccgt actactccct caaagatatac cttaggcttag	300
cactcatgct cattccatcc ctgacactag ccctactctc ccccaacctc ttaggtgatc	360
cagaaaactt caccacagca aaccctctag taactcccc acacattaaa ccagaatggt	420
atttcttatt tgccatgcc atccctcgat caatcccaaa caaactagga gg	472

<210> 170

<211> 472

<212> DNA

<213> *Pavo muticus*

<400> 170

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caaccctcac ccgattcttc gcccctacact ttctcctccc ctttgtaatc gcaggaatta	180
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ctcttatatt tatcccattc ctaacactag ccctattctc ccccaatctc ctaggtgacc	360
cagaaaactt taccaggca aacccctag taacccccc gcacattaaa ccagaatgat	420
acttcttatt tgccatcgcc atcctcggtt caatccccaa caaacttagga gg	472

<210> 171

<211> 472

<212> DNA

<213> *Tragopan blythii*

<400> 171

tcccatgagg acaaataatca ttttgagggg ctaccgtcat cacaactta ttctcagcaa	60
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caaccctcac tcgattcttc gcccctacact tcctcctccc atttgtaatc gcaggaatta	180
ccatcatgca cctcatcttc ttacatgaat caggcttaa taacccactg ggcatctcat	240
ctaactctga caaaatcca ttccaccgt actactccct caaagatatc ctgggtctaa	300
cactcatgct cacccccctc ctcacactag cattattctc accgaaccta ttaggcgacc	360
cagaaaactt caccaggca aacccactag taacccctcc ccatatcaaa ccagaatgat	420
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<210> 172

<211> 472

<212> DNA

<213> *Tragopan satyra*

<400> 172

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caaccctcac ccgattcttc gcccctacact tcctcctccc atttgtaatc gcaggaatta	180
ctatcataaca cctcatcttc ttacatgaat caggcttaa taacccactg ggcatctcat	240

ccaactctga caaaaatccca tttcatccat actactccct caaggatatc ctaggcctaa	300
cactcatgct cacccccctc ctcacactag ctttattctc accaaaccta ctaggtgatc	360
cagaaaactt caccggcagca aaccctactag taacccttcc ccatattaaa ccagaatgat	420
acttcctatt cgccctacgct atcctacgct caatcccaa caaacttgga gg	472

<210> 173

<211> 472

<212> DNA

<213> *Tragopan caboti*

<400> 173

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tcccatacat tggccaaact ctagtagaat gggcttgagg gggctttca gttgacaatc	120
caacccttac ccgattctt gccctacact tcctcctccc attttaatc gcaggaatca	180
ccatcatcca cctcatctt ctagatgaat caggctctaa caaccctctg ggcatttcata	240
ctgactctga caaaaatccca ttccacccgt actactccct caaagatatc ctgggcctaa	300
cactcataact cactccttc ctcacactag ctttattttc accaaaccta ctaggtgacc	360
cagaaaactt caccggcagca aacccttgg taactcctcc ccatatcaag ccagaatgat	420
atttcctgtt cgcttatgcc atcctacgct caatcccaa caaactcgga gg	472

<210> 174

<211> 472

<212> DNA

<213> *Tragopan temminckii*

<400> 174

tcccatgagg acaaataatca ttttggggg ctaccgtcat cacaattta ttctcagcaa	60
tcccatacat tggccaaacc ctagtagaat gagtttgagg gggctttca gttgacaatc	120
caacccttac ccgattctt gccctacact tcctcctccc attttaatc gcaggaattt	180
ccatcatcca cctcatctt ctagatgaat caggctctaa caaccctctg ggcatttcata	240
ctaactctga caaaaatccca ttccacccgt actactccct caaagatatc ctgggcctaa	300
cactcataact cactccttc ctcacactag ctttattttc accaaaccta ctaggtgatc	360
cagaaaactt caccggcagca aacccttgg taactcctcc ccatatcaag ccagaatgat	420
atttcctgtt cgcttatgcc atcctacgct caatcccaa caaactcgga gg	472

<210> 175

<211> 472

<212> DNA

<213> *Argusianus argus*

<400> 175

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tcccttataat tggacaaacc ctagtagagt gagcctgagg aggatttca gtcgacaacc	120
ccacccttac ccgattctt gctctacatt tcctcctacc ctgcgtaatc gcaggaatca	180
ccatcatcca cctcacatcc ctacacgaat caggctaaa caacccacta ggcatctcat	240
ctaactctga caaaatccca ttccacccat actactccct caaagacatc ctaggcctaa	300
cactcatact cgctccattc cttacactaa ccctattcta cccaaaccta ctaggtgacc	360
cagaaaactt caccaggca aaccctttag taactccacc ccacatcaag ccagaatgt	420
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<210> 176

<211> 472

<212> DNA

<213> *Catreus wallichii*

<400> 176

ttccatgggg acaaataatca ttttgagggg ctactgtcat cacaatcta ttctcagcaa	60
tcccttacat cgacagacc ctagtagaat gagcctgagg aggatttca gttgacaatc	120
caactctcac ccgattttc gcccgcact tcctccttcc ctgcgtattt gcaggaatca	180
ccatcacccca tctcatatcc ctacatgaat caggctaaa taacccctt ggcatctcat	240
ctaactccga caaaatccca ttccacccat actactccct caaagatatac ctaggcctag	300
cacttataattt caccctttag ctaacactag ccctatttcc accaaatctt ctgggcgacc	360
cagaaaactt caccaggca aatccattag taaccccttacc acacattaaa ccagaatgt	420
acttcctattt tgccatgct atcctacgct caatccaaa taaactcgga gg	472

<210> 177

<211> 472

<212> DNA

<213> *Crossoptilon crossoptilon*

<400> 177

tcccatgagg acaaataatca ttttgagggg gtaccgtcat cacaatcta ttctcagcaa	60
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caaccctcac ccgattttc gcccgcact tcctccttcc ctgcgtattt gcaggaatata	180
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ctaattccga caaaatccca ttccacccct actactccct caaagacatc ctaggcctag	300
cacttatactt caccctttag ctaacactag ccctatttcc acctaaccctt ctgggcgacc	360
cagagaactt caccaggca aaccctttag taaccccttacc tcacattaaa ccagaatgt	420
acttcctattt tgccatgct atcctcgctt caatccaaa taaactcgga gg	472

<210> 178

<211> 472

<212> DNA

<213> *Syrmaticus reevesi*

<400> 178

tccccatgagg acaaataatca	ttttgagggg caaccgtcat	cacaattta ttctcagcaa	60
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caaccctcac	ccgattcttc	gcccttact ttctcctacc	180
ccatcacaca	tcttatgttc	ctacacgaat caggctaaa	240
ctaactctga	aaaatcccc	caaccacta ggcatttcat	300
cacttatact	caccccatc	ctcacactag ccctattctc	360
cagaaaactt	cacccagca	acctaacctg ctaggcgacc	420
acttcctatt	atcctacgct	taaccctcc tcacattaaa	472
		ccagaatgat	
		caatcccaa	
		caaactgggg	
		gg	

<210> 179

<211> 472

<212> DNA

<213> *Bambusicola thoracica*

<400> 179

tccccatgggg ccaaataatcc	ttttgagggg ctaccgtcat	cacaattta ttctcagcaa	60
tcccttacat	cgacaaacc ctagtagaat	gaggctgggg gggattctca	120
caactctcac	ccgattcttc	gccttacact tcctactccc	180
ccattatcca	cctcacattc	ttacacgaat caggtcaaa	240
ctaactccga	aaaatcccc	caaccctta ggcatttcat	300
cccttatatt	catcccatc	ctgacactag ccctattctc	360
cagaaaactt	cacccagca	ccctaacctc ctaggagacc	420
acttcctatt	cgcgtatgct	taaccctcc acacatcaaa	472
		ccagagtgtt	
		caatcccaa	
		caaactcgga	

<210> 180

<211> 472

<212> DNA

<213> *Francolinus francolinus*

<400> 180

tccccatgagg ccaaataatca	ttctgagggg ctaccgtcat	tacgaaccta ttctcagcaa	60
tcccttacat	tggacaaacc ttagtagagt	gaggctgagg gggattctca	120
caaccctcac	ccgattcttc	gcccttacact tccttctccc	180
ctatcatcca	cctcacattt	ctgacacgaat caggtcaaa	240
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acttcctatt	tgcctacgct	taactccctcc ccacatcaaa	472
		ccagaatgat	
		caatcccaa	
		caaactcgga	

<210> 181

<211> 472

<212> DNA

<213> *Ithaginis cruentus*

<400> 181

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caaccctcac ccgattcttc gccctacact ttctcctccc ctgcgaatc gcaggaatta	180
ctgtcatcca ctttacactc ctccacgaat caggttcaaa taacccacta ggcatctcat	240
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cacttatact catccccttt cttacactag tcctattttc ccccaacctc cttaggagatc	360
cagaaaaactt tagtccagca aaccccttag taacccacc ccataattaaa ccagaatgat	420
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<210> 182

<211> 472

<212> DNA

<213> *Anthropoides paradisea*

<400> 182

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ccacattaac tcgattcttc actttacact tcctccttcc attcataatt atgggcctca	180
ccctaatacca cctcaccttc cttcacgagt ccggctcaaa caacccctta ggcattgtat	240
caaactgcta taaaatccca ttccacccct attttcctt aaaagatatc cttaggattca	300
tactcatact actcccaactc ataaccctag ctctattctc accaaactta cttaggagacc	360
cagaaaaactt caccctagca aaccccttag tcacacctcc ccataatcca ccagaatgat	420
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<210> 183

<211> 472

<212> DNA

<213> *Anthropoides virgo*

<400> 183

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ccacattaac tcgattcttc acgttacact tcctccttcc attcataatt atgggcctca	180
ccctaatacca cctcaccttc cttcacgaat ccggctcaaa caacccctta ggcatcgtat	240
caaactgcta taaaatccca ttccacccct attttcctt aaaagatatc cttaggattca	300
tactcatact actcccaactc ataaccctag ctctattctc accaaactta cttaggagacc	360
cagaaaaactt ccccccagca aatcccttag tcacacctcc ctatattaaa ccagaatgat	420

atttcttatt tgcatacgcc atcctacgtt caattccaaa caaacttagga gg	472
<210> 184	
<211> 472	
<212> DNA	
<213> Grus antigone antigone	
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<210> 185	
<211> 472	
<212> DNA	
<213> Grus antigone gillae	
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<213> Grus antigone sharpei	
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ccacattaac tcgattcttc actttacact tcctccttcc cttcataatc ataggcctca	180
ccctaattca cctcaccttc cttcacgaat ccggttcaaa caaccccta ggcatacgat	240
caaactgcga taaaatccca ttccacccct actttcctt aaaagatatc ctaggattca	300
cactcataact acttccactc ataaccctag ccctattctc accaaaccta ctaggagacc	360
cagaaaactt caccaggca aacccctag tcacacctcc ccatatcaag ccagaatgat	420
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<210> 187

<211> 472

<212> DNA

<213> *Grus leucogeranus*

<400> 187

taccatgagg acaaataatca ttttgagggg ctacagtcat caccaatctc ttctcagccg	60
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ccacattaac tcgattcttc actttacact tcctccttcc attcataatc ataggcctca	180
ccctaattca cctcaccttc cttcacgaat ccggctcaaa caaccccta ggcatacgat	240
caaactgcga taaaatccca ttccacccct actttcctt aaaagatatc ctagggttca	300
tactcataact acttccactc ataaccctag ccctattctc accaaactta ctaggagacc	360
cagaaaactt cactccagca aacccctag taacacccccc acatattaaa ccagaatgat	420
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<210> 188

<211> 472

<212> DNA

<213> *Grus canadensis pratensis*

<400> 188

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tccctacat cggccaaacc ctcgtagaat gggcttgagg gggcttctca gtagacaatc	120
ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180
ccctaattca cctcaccttc cttcacgaat ccggctcaaa caaccccta ggcattgtat	240
caaactgcga taaaatccca ttccacccct attttcctt aaaagatatc ctagggttca	300
tactcataact acttccactc ataaccctag ctctattttc accaaactta ctaggagacc	360
cagaaaactt caccaggca gacccctag tcacacctcc ccatatcaaa ccagaatgat	420
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<210> 189

<211> 472

<212> DNA

<213> *Grus canadensis rowani*

<400> 189

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ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180
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caaactgcga taaaatccca ttccacccctt attttcctt aaaagatatc cttagggttca	300
tactcataact acttccactc ataaccctag ctctattttc accaaactta cttaggagacc	360
cagaaaaactt caccggcagca aaccggcttag tcacacctcc ccataatcaaa ccagaatgtat	420
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<210> 190

<211> 472

<212> DNA

<213> *Grus canadensis* tabida

<400> 190

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ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180
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caaactgcga taaaatccca ttccacccctt attttcctt aaaagatatc cttagggttca	300
tactcataact acttccactc ataaccctag ctctattttc accaaactta cttaggagacc	360
cagaaaaactt caccggcagca aaccggcttag tcacacctcc ccataatcaaa ccagaatgtat	420
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<210> 191

<211> 472

<212> DNA

<213> *Grus canadensis* canadensis

<400> 191

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ccacattaac ccgattcttc actttacact tcctcctccc attcataatt ataggcctca	180
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caaactgcga taaaatccca ttccacccctt attttcctt aaaagatatc cttagggttca	300
tactcataact acttccactt ataaccctag ctctattctc accaaactta cttaggagacc	360
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<210> 192

<211> 472

<212> DNA

<213> *Grus americana*

<400> 192

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ccacattaac ccgatttttc accttacact tcctcctccc attcataatc ataggcctca	180
ccctaattcca cctcaccttc ctccacgaat ccggctcaaa caacccctta ggcatcgtat	240
caaactgcga taaaatccca ttccacccctt attttcctt aaaagacatc ctaggattca	300
cactcatatt acttccactc ataaccctag ctctatccc accaaactta ctaggagacc	360
cagaaaactt caccctagca aaccccttag tgacacctcc ccatattaag ccggaatgat	420
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<210> 193

<211> 472

<212> DNA

<213> *Grus grus*

<400> 193

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ccacattaac ccgatttttc accttacact tcctcctccc attcataatc ataggcctca	180
ccctaattcca cctcaccttc ctccacgaat ccggctcaaa caacccctta ggcatcgtat	240
caaactgcga taaaatccca ttccacccctt attttcctt aaaagatatc ctagggttca	300
tactcatatt acttccactc ataaccctag ctctatccc accaaactta ctaggagacc	360
cagaaaactt caccctagca aaccccttag tcacacctcc ccatattaag ccggaatgat	420
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<210> 194

<211> 472

<212> DNA

<213> *Grus monacha*

<400> 194

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cagaaaactt caccctagca aaccccttag tcacacctcc tcatataaa ccggaatgat	420

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cactcctact tctgccacta accaccctgg ccctattctc acccaaccta ctaggtgacc	360
cagagaactt caccggcagcc aaccccttag tcacacccccc tcacatcaag ccagagtgg	420
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<210> 198

<211> 472

<212> DNA

<213> *Rhea americana*

<400> 198

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ctaccctaac ccgattcttc gccctgcact tccttctccc cttcataatc gcaggcatt	180
ctcttatacca cctcaccttc ctacacgaaa ccgggtccaa caacccctta ggaatcgtat	240
ctcaactctga caaaatccca ttccacccct acttctccct aaaagatgcc ctaggactag	300
ctctcatatt tatcccgctc ctaaccctag cttcttctc acccaacctc ctaggggacc	360
cagaaaactt caccggcagcc aaccccttag tcacacccccc tcacatcaag ccagaatgat	420
atttcctatt cgcttacgcc atcctacgct ccattcccaa caaacttagga gg	472

<210> 199

<211> 472

<212> DNA

<213> *Anthracoceros albirostris*

<400> 199

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caaccctgac acgattcttc gccctacact ttcttctccc gttcataatc gcaggcctag	180
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cagtaataact cttcttctca acctccctag cccttctc ccccaaccta ctaggagacc	360
cagaaaactt cacaccagca aacccctgg taactccccc ccatattaag ccagaatggt	420
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<210> 200

<211> 472

<212> DNA

<213> *Falco femoralis*

<400> 200

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caacactgac ccgattttc gccctacact tcctctacc attcctaatac gcagggtca	180
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tactcatata cctcccccta ataaccctag ccctattcac tcccaaccta ctaggagacc	360
cagaaaactt tacaccagca aatcccctag tcacacccccc acacatcaaa ccagaatgat	420
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<210> 201

<211> 472

<212> DNA

<213> *Falco verpertinus*

<400> 201

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caacactaaac ccgattttc gccctacact ttctctacc attcctaatac gcagggtca	180
ccctaattca cctcacccctc ctacacgaat cagttcaaa caaccccta ggaatcacat	240
caaactgcga taaaatccca ttccatccct attactctct aaaagacctt ttaggagtca	300
tactcatata cctcccccta ataaccctag ccctatttac cccaaactta ctaggagacc	360
cagaaaactt cacaccagca aacccctag tcacacccccc acacatcaaa ccagaatgat	420
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<210> 202

<211> 472

<212> DNA

<213> *Falco peregrinus*

<400> 202

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caacactgac ccgattttc gccctacact tcctacttcc attcctaatac gcaggactca	180
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tactcatata cctcccccta ataaccctag ccctatttac cccaaacctg ctaggagacc	360
cagaaaactt tacaccagca aatcccctag tcacacccccc acacatcaaa ccagaatgat	420
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<210> 203

<211> 472

<212> DNA

<213> Falco sparverius

<400> 203

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cagaaaactt cacaccagcg aaccccttag tcaccccccacc acacatcaaa ccagaatgat	420
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<210> 204

<211> 472

<212> DNA

<213> Aythya americana

<400> 204

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tcctcatgct cacccttca atagcactag cccttattctc accaaacctc ctaggagacc	360
cagaaaactt taccctcagca aaccccttag taaccccccacc ccacatcaaa ccagaatgat	420
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<210> 205

<211> 472

<212> DNA

<213> Smithornis sharpei

<400> 205

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caatcataact aacaccacta ataaccctag ccatattctc tcctaacctc ctaggagacc	360
cagaaaattt cacaccggcc aactccctcg tcaactcccccc tcataatcaaa cccgaatgat	420
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<210> 206

<211> 472

<212> DNA

<213> *Vidua chalybeata*

<400> 206

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tactaatatt cgcaactcta gcttccatag ccattttctc cccaaacata ctggagatc	360
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<210> 207

<211> 472

<212> DNA

<213> *Chrysemys picta*

<400> 207

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<210> 208

<211> 472

<212> DNA

<213> *Emys orbicularis*

<400> 208

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caacccttaac ccgattcttc actttccatt tcttactgcc atttaccatt ataggcctaa	180
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<210> 209

<211> 472

<212> DNA

<213> *Chelonia mydas*

<400> 209

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caaccctaac ccgattcttc accttccact tcctattacc atttgccatt accggcctta	180
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<210> 210

<211> 472

<212> DNA

<213> *Eumeces egregius*

<400> 210

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caaccctcac ccgatttttc acattccact tccttctgcc attcgctatt atagggccct	180
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<210> 211

<211> 472

<212> DNA

<213> *Antelope cervicapra*

<400> 211

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cagacaacta tacaccagca aacccactta atacacccccc acatatcaag cccgaatgtat	420
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<210> 212

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b  
gene of animal species in polymerase chain reaction

<400> 212

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25

<210> 213

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b  
gene of animal species in polymerase chain reaction

<400> 213

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26

<210> 214

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Primer for amplifying a fragment of cytochrome b  
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<400> 214

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22

<210> 215

<211> 23

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<223> Primer for amplifying a fragment of cytochrome b  
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<400> 215

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22

<210> 216

<211> 472

<212> DNA

<213> Aepyceros melampus

<220>

<400> 216

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tattaataat tctagtccta atactcctag tactattcat acccgaccta ctaggagacc	360
cagacaanna catccccgca aacccactca acacccctcc ccacatcaag cccgaatggt	420
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<210> 217

<211> 472

<212> DNA

<213> Oreamnos americanus

<400> 217

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caacccttac ccgattctt gccttcaact tcatcttcc atttatcatc gcagccctag	180
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tattactaat tctagctta ttactcttag tattattcac acctgaccta cttggagacc	360
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<210> 218

<211> 472

<212> DNA

<213> Addax nasomaculatus

<400> 218

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caacccttac ccgattttc gccttcaact ttattctccc ctttattatc gctgcccttg	180
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cagacaatta tacccagca aatccactta gcacgcccc tcacatcaaa cctgaatgtt	420
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<210> 219

<211> 472

<212> DNA

<213> Oryx damah

<400> 219

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caaccctcac ccgattttc gccttcaact ttattctccc ttttattatc gctgcccttg	180
ccatagtcca cctactctt ctccacgaaa caggctccaa caaccctaca ggaatcacct	240
cagacacaga caaaattccg ttccaccctt attataccat taaagatatc tttaggcgccc	300
tactactaat cctagccctt atgttgctag tattattcgc acccgaccta cttggagacc	360
cagataatta tacaccagca aatccactta acacaccccc tcacatcaaa cccgaatgtt	420
attnctatt tgcatatgca atcttacgat caatccccaa caaacttagga gg	472

<210> 220

<211> 472

<212> DNA

<213> Hippotragus equinus

<400> 220

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tcccatatat tggcacaaac ctagtgaat gaatctgagg gggattctcc gtagacaaag	120
caaccctcac ccgattcttc gccttccact ttattcttcc ctttatcatt actgccttg	180
ccatagtaca cctactctt ctccatgaga caggctccaa caacccaca ggaatttgat	240
cagactccga taaaatccca ttccacccct actacaccat taaagacatt ctaggcgccc	300
tactactaat tctagccctc atactactag tactattcgc acccgaccta cttggagacc	360
cagacaacta tgccccagca aacccactca acacggcccc tcacattaa cccgaatgat	420
attttttatt cgctacgca attctacgat cgatcccaa taagctggga gg	472

<210> 221

<211> 472

<212> DNA

<213> Alcelaphus buselaphus

<400> 221

tgccatgagg acaaatatca ttctgagggg caacagtcat caccaatctc ctctcagcaa	60
tcccatatat tggcacagac ctagtagaat gaatctgagg gggattctca gtagacaaag	120
caacccttac ccgatttttt gccttccact tcattcttcc attcatcatt gcagcccttg	180
ccatagttca ccttttattc ctccacgaaa caggatctaa caacccaca ggaatctcat	240
cagacgcaga taaaatccca ttccacccct actatacaat caaggacatt ctaggcgccc	300
tattactaat tctagccctc atactactag tactattcgc acccgacctg ctcggagacc	360
cagacaacta caccggcgca aacccactta acacggcccc tcacatcaag cccgaatgat	420
atttcctatt tgcatatgca atcctacgat caatccctaa caaacttagga gg	472

<210> 222

<211> 472

<212> DNA

<213> Sigmoceros lichtensteinii

<400> 222

tgccatgagg acaaatatca ttctgagggg caacagtcat caccaatctc ctctcagcaa	60
tcccatatat tggcacagac ctagtagaat gaatctgagg aggattatca gtagacaaag	120
caacccttac ccgatttttt gccttccact tcattctccc attcatcatt gcagcccttg	180
ccatagttca ccttttattc ctccacgaaa caggatctaa caacccaca ggaatctcg	240
cagacgcaga taaaatccca ttccacccct actatacaat caaggacatt ctaggcgccc	300
tattactaat tctagccctc atactactag tactattcgc acccgacctg ctcggagacc	360

cagacaacta caccggcg aacccactta acacacccccc tcacatcaag cccgaatgat	420
atttcctatt tgcatacgca atcctacgat caatccctaa caaacttagga gg	472

<210> 223

<211> 472

<212> DNA

<213> *Beatragus hunteri*

<400> 223

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ttccatataat tggtacaaac ctatcgaaat gaatctgagg aggcttctca gtagacaaag	120
caaccctcac ccgatttttc gctttccact ttattctccc atttatacatt acagcccttg	180
ccatagtcca cctcttattt ctccacgaaa caggatctaa caacccacaa ggaatctcg	240
cagatgcaga taaaattcca ttccacccct actacaccat caaagacatc cttaggcgccc	300
tactactaat tctagccctc atattactag tactatttgc acccgacctg ctcggagacc	360
cagacaacta caccggcg aacccactta atacacccccc tcacatcaaa cccgaatgat	420
atttcctatt tgcatacgca atcctacgat caatccctaa taaacttagga gg	472

<210> 224

<211> 472

<212> DNA

<213> *Damaliscus lunatus*

<400> 224

tgccatgagg acaaataatca ttctgaggag caacagtcat cactaacctc ctctcagcaa	60
ttccatacat cggcacaaat ctatcgaaat ggatctgagg gggcttctca gtagacaaag	120
ccaccctcac ccgatttttc gccttccact tcatcttccc atttatacatt gtagctcttg	180
ccatagtgca cctcttattt ctccatgaaa caggatctaa caacccacaa ggaatctcat	240
cagatgcgga caaaatcccg tttcacccct actacactat caaagacgccc cttaggggccc	300
tactactaat tctagccctc atactactag tactatttgc acccgacctg ctcggagacc	360
cagacaacta caccctgca aacccactca acacgcccc tcacatcaag cccgagtgtat	420
atttcctatt cgcatacgca atcctacgat cgatcccaa cgagcttagga gg	472

<210> 225

<211> 472

<212> DNA

<213> *Connochaetes taurinus*

<400> 225

taccatgagg acaaataatcc	ttttgaggag caacagtcat caccaacctc	ctctcagcaa	60	
tcccatacat tggactaac	ctagtcgaat gaatctgagg	gggattctca	120	
caaccctac	ccgattttc	gccttccact tcattcctcc	atttatcatc	180
ctatagtcca	tctccttattc	ctccacgaaa	caggatctaa	240
ccgacaccga	taaaatccca	ttccccccct	attacaccat	300
tattactaat	tctagcccta	atactactag	tactattcgc	360
cagacaacta	caccccgca	aatccactca	acacacccccc	420
acttcctatt	tgcataatgca	atcctacgat	caatccccaa	472

<210> 226

<211> 472

<212> DNA

<213> *Bison bonasus*

<400> 226

taccatgagg acaaataatca	ttttgaggag caacagtcat taccaacctc	ctatcagcaa	60	
tcccatacat cggcacaaat	ctagtcgaat gaatctgagg	cgattctca	120	
caaccctac	ccgattttc	gtttccact ttatcctccc	atttattatc	180
ccatagtcca	cctactattc	ctccacgaaa	caggttctaa	240
cagacacaga	caaaattcca	ttccaccctt	actataccat	300
tattactaat	tctaactcta	atactactag	tactattcgc	360
cagataacta	caccccgca	aatccactta	acacacctcc	420
acttcctatt	tgcataangca	atttacggt	caatccccaa	472

<210> 227

<211> 472

<212> DNA

<213> *Bos grunniens*

<400> 227

taccatgagg acaaataatca	ttttgagggg caacagtcat taccaacctc	ctatcagcaa	60	
ttcccatacat cggcacaaat	ttagtcgaat ggatttgagg	tggttctca	120	
caaccctac	ccgattttc	gtttccact ttatcctccc	atttattatt	180
ccatagtcca	cctactattc	ctccacgaaa	caggttccaa	240
cagacgcaga	caaaattcca	tttcaccctt	actataccat	300
tattactaat	tctagcccta	atacttctgg	tactattcac	360
cagacaacta	caccccgca	aatccactca	acacacctcc	420
acttcctatt	tgcataacgca	atttacgat	caatccccaa	472

<210> 228

<211> 472

<212> DNA

<213> *Bos tragocamelus*

<400> 228

taccatgagg acaaatatca	ttttgaggag	caacagttat	taccaatcta	ttatcagcaa	60
tcccatacat	cggcacaaac	ctagttgaat	gaatctgagg	cgggttctca	120
caaccctaac	ccgattcttc	gctttccact	ttatcctccc	attcatcatt	180
caataatcca	tctactcttc	ctccatgaaa	cagggtctaa	caatccaaca	240
cagacgcaga	taaaatccca	tttcacccct	actacactat	taaagacatt	300
tactacttat	tctagcccta	ataatactag	tactattcgc	acccgacctc	360
cagacaacta	cacccagca	aacccactta	gcacacctcc	ccatattaag	420
attcctgtt	cgcatacgca	attctacgat	caatcccaa	caaacttagga	472

<210> 229

<211> 472

<212> DNA

<213> *Bubalus bubalis*

<400> 229

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tcccatacat	tggtacaagt	ctgggtgaat	gaatttgagg	gggattctca	120
caaccctcac	ccgattcttc	gcatttcaact	tcatectccc	attcattatc	180
caatagtcca	cctattattt	ctccacgaaa	caggatccaa	caacccaaca	240
cagacacaga	caaaatccca	ttccacccct	attacaccat	taaagacatc	300
tactattaat	cctagcccta	atactattag	tactattcgc	acccgacctc	360
cagacaacta	cacccagca	aacccactca	acacacctcc	ccacatcaag	420
attcctatt	cgcatacgca	atcttacgat	caattcctaa	caaacttagga	472

<210> 230

<211> 472

<212> DNA

<213> *Bubalus mindorensis*

<400> 230

tgccatgagg acaaatatca	ttctgaggag	caacagtcat	caccaacctt	ctctcagcaa	60
tcccatacat	tggcacaaac	ctagttgagt	gaatttgagg	gggattctca	120
caaccctcac	ccgattcttc	gcatttcaact	tcatectccc	attcattatc	180
caatagtcca	cctattattt	ctccacgaaa	caggatccaa	caacccaaca	240
cagacacaga	caaaatccca	ttccacccct	actacaccat	taaagacatt	300
tgcttattaat	cctagcccta	atactattag	tactattcac	acccgacctc	360
cagacaacta	cacccagca	aacccactca	acacacctcc	ccatatcaa	420
attcctatt	cgcatacgca	atcttacgat	cagttcctaa	caaacttagga	472

<210> 231

<211> 472

<212> DNA

<213> *Tragelaphus angasii*

<400> 231

tgccatgagg acaaatatca ttctgaggag caacggcat cacaaacctc ctatcagcaa	60
tcccatatat tggcaccaac ctagttgaat gaatctgagg aggcttctcg gtagacaagg	120
caaccctaac ccgattttc gccttccact tcatectccc gtttattatt acagcgctgg	180
ttatggtcca cctattattc ctccatgaaa caggatccaa caacccaaca ggaatctcat	240
cagacataga caaaattcca ttccacccctt attacactat caaggacatc ctaggcgc	300
tactattaaat cctagcccta atagtaactag tactattcac acctgacccctc ctcggagacc	360
ccgacaacta caccggcgg aacccctca atacacctcc ccatatcaaa cctgaatgtat	420
atttcctgtt cgcataatgca atcctacgat ctatccccaa caagcttagga gg	472

<210> 232

<211> 472

<212> DNA

<213> *Tragelaphus eurycerus*

<400> 232

taccatgagg acaaatatca ttttgaggag caacagtcat cacaaacctt ctatcagcaa	60
tcccttatat tggcaccaggc ctagtcaat gaatctgagg gggctttca gtagacaaag	120
caaccctaac ccgattttc gccttccact ttatcctcc atttattattt acagcactag	180
ccatggtaca cctactattc ctccacgaaa caggatccaa caacccaaca ggratctcat	240
craacataga caaaattcca tttcaccctt actacactat taaggacatc ctaggtgc	300
tactgtaat cctaactcta atactccttag tactattcgc acccgacccctt ctcggagacc	360
ccgacaacta caccggcgg aacccactca acacaccacc tcataatcaaa cctgaatgtat	420
acttcctattt cgcataatgca atcctacgat caatccccaa taaaacttagga gg	472

<210> 233

<211> 472

<212> DNA

<213> *Nemorhaedus caudatus*

<400> 233

taccatgagg acagatatac ttctgagggg caacagttat taccaatctt ctctcagcaa	60
tcccatatat tggcaccaac ctagtcaat gaatctgagg gggattctca gtagacaaag	120
ctactctcac ccgattttc gccttccact tcatectccc atttattt acagctactg	180
ctatagtcca cctactttc ctccatgaga taggatccaa caacccaca ggtatccc	240
cagacataga caaaatcccata ttccacccctt attatacaat caaagatattt ctaggcgc	300

tactactaat cctcaccctt attttactgg tattattcac acctgactta cttggagatc	360
cagacaacta taccggcagca aacccactca gcacacccccc tcacattaaa cctgaatgat	420
atttcctatt tgcatatgca atcttacgat caatcccaa taaacttaggc gg	472

<210> 234

<211> 472

<212> DNA

<213> *Pseudois nayaur*

<400> 234

tgccatgagg acaaataatca ttttgagggg caacagtcat caccaacctt ctctcagcaa	60
tccctataat tggcacaaat ctatcgaaat ggatctgagg gggattctca gtagacaagg	120
ccactctcac ccgattcttc gccttccact tcattcctccc atttatttatt atagccctcg	180
ccatagtcca cttactttc ctccacgaaa caggatctaa caacccacaa ggaatccat	240
cagacacaga caaaatccca ttccaccctt actacaccat taaagatatt cttaggcgctg	300
cactgctaatt cctcgccctg atattactag tattatattac acccgaccta ctcggagacc	360
cagacaacta caccggcagca aacccactca acacacccccc tcacattaaa cccgagtgat	420
atttcctatt tgcatatgca atcttacgat caatcccaa caagcttagga gg	472

<210> 235

<211> 472

<212> DNA

<213> *Ammotragus lervia*

<400> 235

tgccatgagg acagatataatca ttctgagggg caacagtcat caccaacctt ctctcagcaa	60
tccctatacat tggcacagac ctgggtcgaaat gaatctgagg gggattctca gtagacaag	120
ctactctcac ccgattcttc gccttccact tcattcctccc attttaatc gcagccctag	180
ccatagtcca cttactttc ctccatgaaa cggatccaa caacccacaa ggaatttcat	240
cagacgcaga caaaatccca ttccaccctt actacaccat caaagatatt cttaggcgcca	300
tgctactaat cctcaccctc acactactag tactatattac acccgatcta ctcggggacc	360
cagacaacta taccggcagca aatccactca acacacccccc tcatattaaa cctgaatgat	420
atttcctatt tgcatatgca atcttacgat caatccctaa taaactggga gg	472

<210> 236

<211> 472

<212> DNA

<213> *Capra falconeri*

<400> 236

taccatgagg acaaatatca ttctgagggg caacagtcat caccaatctc ctctcagcaa	60
tcccatatat tggcacaaac ctatcgaaat gaatctgagg aggattctca gtagataaag	120
ccaccctcac ccgattcttc gccttccact ttatcctccc attcatcatt gcaggcctcg	180
ccatagtcca cctactcttc ctccacgaaa caggatccaa caatcccaca ggaattccat	240
cagacacaga caaaatccca ttccacccctt actacaccat taaagatatac ctggcgcca	300
tactactaat tctgccttg atgctactag tactattcac acctgaccta ctggagacc	360
cagataacta tatcccagca aatccactca atacacccccc tcatatcaaa cctgagtgg	420
acttcctatt tgcatacgcatacctacgat caatcccaa caaacttagga gg	472

<210> 237

<211> 472

<212> DNA

<213> Capra ibex

<400> 237

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tcccatatat tggcacaaac ctatcgaaat gaatctgagg gggattctca gtagacaaag	120
ccactctcac ccgattcttc gccttccact tcattcctccc attcatcatt acagccctcg	180
ccatagtcca cctgctttc ctccacgaaa cgggatccaa caacccaca ggaattccat	240
cagacacaga caaaatccca ttccacccctt actacaccat taaagatatac ttggcgcca	300
tgctactaat tcttgtccta atattactag tactattcac acccgaccta ctggggacc	360
cagacaacta taccggcagca aaccgactca atacacccccc tcacattaaa cctgaatgat	420
atttcctatt tgcatacgcatacctacgat caatcccaa caaacttaggg gg	472

<210> 238

<211> 472

<212> DNA

<213> Hemitragus jemlahicus

<400> 238

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ttcccatatat cggcacaaac ctatcgaaat gaatctgagg aggattctca gtagacaaag	120
ctaccctaaac ccgattcttc gccttccact tcattcctccc attcatcatt gcagccctcg	180
ccatagtcca cctgctttc ctccacgaaa cgggatccaa caacccaca gggattccat	240
cagatacaga caaaatccca ttccacccctt actacaccat taaagatatt ttggcgcca	300
tactactaat tcttgtccta atattactag tactatttat acccgaccta ctggagacc	360
cagacaacta taccggcagca aaccgactca acacacccccc tcacattaaa cctgaatgat	420
atttcctatt tgcatacgcatacctacgat caatcccaa caaacttaggg gg	472

<210> 239

<211> 472

<212> DNA

<213> *Rupicapra pyrenaica*

<400> 239

taccatgagg acagatatca ttctgaggag caacagttat taccaatctc ctctcagcaa	60
tcccatacat tggcatagac tttagtcgagt gaatctgagg gggcttctcg gtagacaaaag	120
ctaccctcac ccgattcttt gccttcaact tcatactccc attcatcatt gcagcccttag	180
ccatagtcca cctactcttc ctccatgaaa caggatcaaa caacccaca ggaatcccat	240
cagatgcgga traaatccca tttcaccctt actataccat taaagacatt cttaggcgcca	300
tactactaat cctcaccctt atactactgg tactatttac acctgaccta ctcggagacc	360
cagataacta taccggcgg aacccactca acacacccccc tcacatcaaa cccgaatgat	420
atttcttgtt tgcatatgct atcctacgat caatcccaa caaacttgga gg	472

<210> 240

<211> 472

<212> DNA

<213> *Rupicapra rupicapra*

<400> 240

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ctaccctcac ccgattcttt gccttcaact tcatactccc atttacatt gcagcccttag	180
ccctagtcca cctactcttc ctccacgaaa caggatctaa caacccaca ggaatcccat	240
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tactactaat cctcaccctc atactactgg tactattnac acctgaccta ctcggagacc	360
cagataatata caccggcgg aacccactca acacacccccc tcacatcaaa cccgagtgtat	420
atttcttatt tgcatatgca attctacgat caatcccaa caaacttgga gg	472

<210> 241

<211> 472

<212> DNA

<213> *Pantholops hodgsoni*

<400> 241

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tcccatacat tggcacagac ctatgtcaat gaatctgagg gggattctca gtagacaaaag	120
ctacccttac ccgattcttt gccttccatt tcattctccc attcatcatt gcagccctcg	180
ccatagtcca cctactcttc ctccacgaaa caggatccaa caacccaca ggaattcccat	240
cagatgcaga caaaaatccca tttcaccctt actataccat taaagacatc cttaggcgcta	300
tactactaat cctaatacttc atattactgg tactattttc acccgaccta ctcggagacc	360
cagacaatata taccggcgg aacccctca acacacccccc ccacatcaaa cctgaatgg	420
actttcttatt tgcatatgca atcctacgat caatcccaa caaacttagga gg	472

<210> 242

<211> 472

<212> DNA

<213> *Budorcas taxicolor taxicolor*

<400> 242

taccatgagg acaaataatca ttttgaggag caacagtcat taccaacctc ctctcagcaa	60
tcccatatat tggcacaaac ctatgtgagt gaatctgagg aggattctca gtagacaaag	120
catccctcac ccgattttt gccttcaact tcatttcctcc atttatcatc gcagacctcg	180
ccatagtcca ttacttttcc ctccacgaaa caggatccaa caacccaca ggaattccgt	240
cagatgcaga taaaattcca ttccacccctt attacaccat taaagatatac ctaggagtca	300
tactactaat cctcgccctc atgttgcgtat tactatttat acttgacgta cttggagacc	360
cagataatta taccggcagca aatccactca acacacccccc tcacatcaaa cctgaatgat	420
atttccattt tgcatatcgca atcttacgat caatccccaa caaacttagga gg	472

<210> 243

<211> 472

<212> DNA

<213> *Ovis ammon*

<400> 243

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ttccatatat tggcacaaac ctatgcgtat gaatctgagg gggattctca gtagacaaag	120
ccaccctgac ccgattttc gccttcaact ttatccccc attcatcatc gcagccctcg	180
ccatagtcca cctactttc ctccacgaaa caggatccaa caacccaca ggaatccccat	240
cggacacaga taaaattccc ttccacccctt actacaccat taaagacatc ctaggtgcca	300
tcctactaat cctcaccctc atactactatg tactattcac gcctgaccta ctcggagacc	360
cagacaacta caccggcagca aacccactta acactcccccc tcacatcaaa cctgaatgat	420
atttccattt tgcatatcgca atcttacgat caatccctaa taaacttagga gg	472

<210> 244

<211> 472

<212> DNA

<213> *Ovis vigniei*

<220>

<221> n

<222> 264-278

<223> unknown base

<400> 244

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ctaccctcac ccgatttttc gccttcaact ttatccc attcatcatc gcagccctcg	180
ctatagttca cctactcttc ctccacgaaa cagatccaa taacccaca ggaattccat	240
cggacacaga caaaatcccc ttccnnnnnn nnnnnnnnat taaagacatt ctgggtgcca	300
tcctactaat cctcatcctc atgctgctag tactattcac gcctgactta ctggagacc	360
cagacaacta caccaggca aacccacta acactcccc tcacatcaa cctgaatgat	420
atttcctatt tgcatatgca atcttacgat caatccctaa taaacttagga gg	472

<210> 245

<211> 472

<212> DNA

<213> Capcornis crispus

<400> 245

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tcccatatat tggcacaaac ttagtagaaat gaatctgagg aggattctcc gtagacaaag	120
ccaccctcac ccgatttttgccttccatt tcattctccc attcatcatc acagccctcg	180
ccatagtgca cctacttttc ctccacgaaa caggatccaa caacccaca ggaatctcat	240
cagacacaga caaaatccca ttccaccctt actacacaat caaagatatac cttaggcac	300
tgctactaat cctcaccctc atactactag tactgttac acccgaccta ctcggagacc	360
cagacaacta cactccagca aacccacta acacaccccc tcacatcaag cccgagtgtat	420
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<211> 472

<212> DNA

<213> Ovibos moschatus

<400> 246

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ccaccctcac ccgattttttgttttcaact ttatccccc atttatcatc gtggccctcg	180
ctatagttaca tttgtcttc ctccacgaaa caggatccaa caacccaca ggaattccat	240
cagacacgga caaaatccca ttccaccctt actatacaat caaagacatt cttaggcgcca	300
tactactaat ccttaccctt atactactag tattattcac acccgaccta cttggagacc	360
cagacaacta taccaggca aacccacta acacaccccc tcacattaaa ccagagtgtat	420
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<210> 247

<211> 472

<212> DNA

<213> *Oreamnos americanus*

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ccaccctgac ccgattcttc gccttcaact ttatccc attcatcatac gcagccctcg	180
ccatagtcca cctactcttc ctccacgaaa caggatccaa caacccaca gaaatccat	240
cggacacaga taaaattccc ttccaccctt actacaccat taaagacatc ctaggtgcca	300
tcctactaat cctcaccctc atactactag tactattcac gcctgaccta ctcggagacc	360
cagacaacta caccggcagca aacccactta acactcccc tcacatcaaa cctgaatgat	420
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<210> 248

<211> 472

<212> DNA

<213> *Cephalophus dorsalis*

<400> 248

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cagataacta caccggcagca aacccactca acacacctcc ccatattaaa cccgaatgat	420
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<210> 249

<211> 472

<212> DNA

<213> *Cephalophus maxwellii*

<400> 249

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tattacttat tctagcccta ataatccctag tactattctc acccgactta ctcggagatc	360
cagataatta tactccagca aacccactta acacacctcc ccacatcaag cccgaatgat	420
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<210> 250

<211> 472

<212> DNA

<213> *Alces alces*

<400> 250

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caactctaac ccgatttttc gccttccact ttattctccc atttatcatc gcagcacttg 180  
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<210> 251

<211> 472

<212> DNA

<213> *Hydropotes inermis*

<400> 251

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ctaccctgac ccgatttttc gccttccact tcattcttcc atttatcatc gcagctctg 180  
ccatagtgca cttactttt ctccacgaaa caggatccaa taacccaaca gaaattccat 240  
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cagacaattt tactccacgca aacccactca atacacccccc tcacattaaa ccagaatgat 420  
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<210> 252

<211> 472

<212> DNA

<213> *Muntiacus muntjak*

<400> 252

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caaccctcac ccgatttttc gccttccact ttatcctccc atttattatttgcagcacttg 180  
ctatagtcca cttacttttc ctccacgaaa caggatccaa caatccaaca gaaattccat 240  
cagatgtaga caaaattccctt ttccatccctt actataaccat taaagatatt ttaggtgccc 300

tacttctaat tctcttccta atattattag tattattcg accagacctg ctcggagacc	360
ccgacaatta taccggcagca aacccactca atacacccccc tcacatcaag cctgaatgat	420
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<210> 253

<211> 472

<212> DNA

<213> *Cervus elaphus kansuensis*

<400> 253

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cagacgcaga caaaatcccc ttccatcctt actataccat taaagatatac ttaggcac	300
tacttctagt actcttccta atattactag tattattcg accagacctg cttggagacc	360
cagacaacta taccggcagca aatccactca atacacccccc tcacattaaa cctgaatgat	420
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<210> 254

<211> 472

<212> DNA

<213> *Cervus elaphus xanthopygus*

<400> 254

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cagacaacta taccggcagca aatccactca acacacccccc tcacattaaa cctgaatgat	420
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<210> 255

<211> 472

<212> DNA

<213> *Cervus elaphus canadensis*

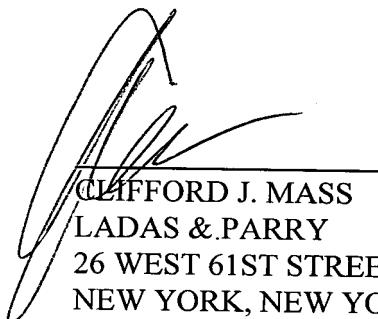
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REMARKS

The above amendatory action is taken to correct the errors in the Sequence Listing noted in the Official Communication of May 21, 2002. In addition to a paper copy of the Sequence Listing, a computer readable copy of the Sequence Listing and the requisite statements are submitted herewith.

Respectfully submitted,



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